

;; TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF  
;; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS  
;; NUMBER OF SEQUENCES: 12  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
;; STREET: 699 Prince Street  
;; CITY: Alexandria  
;; STATE: VA  
;; COUNTRY: USA  
;; ZIP: 22314

;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patent In Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/10/124,905  
;; FILING DATE:

;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/383,916  
;; FILING DATE:

;; APPLICATION NUMBER: US 08/487,550  
;; FILING DATE: 07-JUN-1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Teskin, Robin L.  
;; REGISTRATION NUMBER: 35,030  
;; REFERENCE/DOCKET NUMBER: 012712-131  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 703-836-6620  
;; TELEFAX: 703-836-2021

;; INFORMATION FOR SEQ ID NO: 7:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 1437 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: not relevant  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: peptide

;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: 1..1437  
;; FEATURE:  
;; NAME/KEY: mat\_peptide  
;; LOCATION: 1..1437

;; US-10-124-905-7

Query Match 78.1%; Score 1117.2; DB 9; Length 1437;  
Best Local Similarity 88.1%; Pred. No. 9e-296;  
Matches 1254; Conservative 0; Mismatches 150; Indels 12; Gaps 3;

Qy	17	TCCTCTCTCTGTTGGAGCTCCAGATGGGTCTCTCCAGGTGAAGCTGCAGCAGT	76
Db	17	TCCTGCTCTCTGCTGCTGTGTGTACGCGTGTCCAGTGTGAGGTGCAACTGGTGGAGT	76
Qy	77	GGGGCGAAGGACTTCGAGCCTTCGGAGACCTGTCCGACCTGCTGCTGTGTCTGTGGT	136
Db	77	CTGGGGAGGCTGTGCTCAGCCTTGGCGGTCCCTGAGAGTCTCTGTGCACTCTGGAT	136
Qy	137	GCTCCATCAGCGGTTACTACTGGAACCTGGATCCGCGCAGACCCCGAGGAGGAGCTGG	196
Db	137	TCACCTTCA---GTGACCACTACATGTATTGGTTCGCGCAGGCTCCAGGAGAGGGCGG	193
Qy	197	AGTGGATTGGCCATATT-----TATGGTAATGTFGCGACCAACCAACTACAAATCCCTCCC	250
Db	194	AATGGGTAGGTTTTCATTAGAAACAAACCGAAGCGGTGGGACAAACAGAAATACGCCGCTGTG	253
Qy	251	TCAAGAGTCGAGTCAACCATTTCAAAGACACGTCCAGAACCAAGTTCTTCTGTGAATTGA	310
Db	254	TGAAGACAGATTCAACCATCTCCAGAGATGATTCAAAGATATCGCCTATCTGCAAAATGA	313
Qy	311	ATTCTGTGACCGCAGCGGACACGGCCGTCTATTACTGTGCGAGA---GGCCCTCGCCCTG	367

Db	314	GCAGCTGAAAATTCGAGGACACGGCCGTCTATTACTGTACTATCATCTACATTTACATT	373
Qy	368	ATTGCACAACCAATTGTTATGGCGGTGCGATGCTGGGGCCCGGGAGACCTGGTCA	427
Db	374	GTGGGGTGGTGTCTGCTATGAGGTTACTTCGAATTTCTGGGGCCAGGGCCCTGTGTC	433
Qy	428	CGCTCTCTCTCAGCTAGCACCAAGGGCCCATCGGTCTTTCCCTCTGGGACCTCTCTCCA	487
Db	434	CGCTCTCTCTCAGCTAGCACCAAGGGCCCATCGGTCTTTCCCTCTGGGACCTCTCTCCA	493
Qy	488	GCACCTCTGGGGGCACAGCGGCCCTGGGCTGCTGTGCTCAAGGACTACTTCCCGAACCGG	547
Db	494	GCACCTCTGGGGGCACAGCGGCCCTGGGCTGCTGTGCTCAAGGACTACTTCCCGAACCGG	553
Qy	548	TGACGCTGTGTGAACTCAGCGCCCTGACAGCGCGGTGCACACCTTCCCGGCTGTCC	607
Db	554	TGACGCTGTGTGAACTCAGCGCCCTGACAGCGCGGTGCACACCTTCCCGGCTGTCC	613
Qy	608	TACAGTCTCTCAGGACTCTACTCCCTCAGCAGCGGTGTGACCGTCCCTCCAGCAGCTGG	667
Db	614	TACAGTCTCTCAGGACTCTACTCCCTCAGCAGCGGTGTGACCGTCCCTCCAGCAGCTGG	673
Qy	668	GCACCCAGACCTACATCTGCAACGTGAATCAACAAGCCAGCAACCAAGGTGGAACA	727
Db	674	GCACCCAGACCTACATCTGCAACGTGAATCAACAAGCCAGCAACCAAGGTGGAACA	733
Qy	728	AAGCAGAGCCCAAAATCTTGTGACAAATCAACATGCCACCGTCCCGCAGCACTGAAC	787
Db	734	AAGCAGAGCCCAAAATCTTGTGACAAATCAACATGCCACCGTCCCGCAGCACTGAAC	793
Qy	788	TCCTGGGGGACCGTCACTGCTCTTCTTCCCGCCCAACCAAGGACCGCTCATGATCT	847
Db	794	TCCTGGGGGACCGTCACTGCTCTTCTTCCCGCCCAACCAAGGACCGCTCATGATCT	853
Qy	848	CCCGAACCTCTGAGTCAATCGTGGTGGAGTGAAGCAGCAACGAGACCTGTAGGTCA	907
Db	854	CCCGAACCTCTGAGTCAATCGTGGTGGAGTGAAGCAGCAACGAGACCTGTAGGTCA	913
Qy	908	AGTTCAACTGTGTACGTGGACCGGTGGAGGTGCATTAATGCCAAGACAAAGCCGGAGG	967
Db	914	AGTTCAACTGTGTACGTGGACCGGTGGAGGTGCATTAATGCCAAGACAAAGCCGGAGG	973
Qy	968	AGCAGTACAACAGCACGCTACCGTGTGGTGTGAGGTCTCTCAACAGCCAGGACTGCG	1027
Db	974	AGCAGTACAACAGCACGCTACCGTGTGGTGTGAGGTCTCTCAACAGCCAGGACTGCG	1033
Qy	1028	TGAATGGCAAGAGTACAAGTGAAGGTCTCAACAAAGCCCTCCAGCCCCCATCGAGA	1087
Db	1034	TGAATGGCAAGAGTACAAGTGAAGGTCTCAACAAAGCCCTCCAGCCCCCATCGAGA	1093
Qy	1088	AAACCATCTCCAAAGCCAAAGGGGAGCCCGAGAACCAAGGTGTACACCTTGCCTCCAT	1147
Db	1094	AAACCATCTCCAAAGCCAAAGGGGAGCCCGAGAACCAAGGTGTACACCTTGCCTCCAT	1153
Qy	1148	CCCGGATGAGTCAACCAAGAACCAAGGTGAGCTGACCTGCTGTCTCAAGGCTTCTATC	1207
Db	1154	CCCGGATGAGTCAACCAAGAACCAAGGTGAGCTGACCTGCTGTCTCAAGGCTTCTATC	1213
Qy	1208	CCAGGCATCGCTGAGTGGAGAGCAATGGGACCGGAGAACAACTACAAGACCA	1267
Db	1214	CCAGGCATCGCTGAGTGGAGAGCAATGGGACCGGAGAACAACTACAAGACCA	1273
Qy	1268	CGCTCCCGTCTGAGCTCCGACGGCTCTTCTTCTTCTTACAGCAAGCTCAACCTGGACA	1327
Db	1274	CGCTCCCGTCTGAGCTCCGACGGCTCTTCTTCTTCTTACAGCAAGCTCAACCTGGACA	1333
Qy	1328	AGACAGTGGCAGCAGGGGAACTCTTCTCATGCTCGGTGATGATGAGGCTCTGCACA	1387
Db	1334	AGACAGTGGCAGCAGGGGAACTCTTCTCATGCTCGGTGATGATGAGGCTCTGCACA	1393
Qy	1388	ACCACTACACGACAGAGCCCTCTCCCTGTCTCCGGTAAATGA	1431
Db	1394	ACCACTACACGACAGAGCCCTCTCCCTGTCTCCGGTAAATGA	1437





Db 1154 CCCGGATGAGTGCACCAAGAACAGGTGACCTGACCTGGTCAAAAGGCTTCTATC 1213  
QY 1208 CCAGGACATCCCGTGGAGTGGGAGCAATGGGAGCGCGAGAACTACAAGACCA 1267  
Db 1214 CCAGGACATCCCGTGGAGTGGGAGCAATGGGAGCGCGAGAACTACAAGACCA 1273  
QY 1268 CGCTCCCGTGTGGACTCCGAGCGGCTCTTCTTCTCTACAGCAAGCTCACCGTGGACA 1327  
Db 1274 CGCTCCCGTGTGGACTCCGAGCGGCTCTTCTTCTCTACAGCAAGCTCACCGTGGACA 1333  
QY 1328 AGAGAGGTGGCAGCAGGGAAGCTTCTCATGCTCCGTCGATGATGAGGCTCTGCACA 1387  
Db 1334 AGAGAGGTGGCAGCAGGGAAGCTTCTTCTCATGCTCCGTCGATGATGAGGCTCTGCACA 1393  
QY 1388 ACCACTACACGACAGAGAGCCTCTCCCTGCTCCGGTAAATGA 1431  
Db 1394 ACCACTACACGAGAAGACCTCTCCCTGTCTCCGGTAAATGA 1437

## RESULT 11

US-09-925-299-230  
; Sequence 230, Application US/09925299  
; Publication No. US20030040617A9  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
; FILE REFERENCE: PA102  
; CURRENT APPLICATION NUMBER: US/09/925,299  
; CURRENT FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: PCT/US00/05883  
; PRIOR FILING DATE: 2000-03-08  
; PRIOR APPLICATION NUMBER: 60/124,270  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 1556  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 230  
; LENGTH: 1798  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)  
; NAME/KEY: misc\_feature  
; LOCATION: (15)  
; OTHER INFORMATION: n equals a,t,g, or c  
; NAME/KEY: misc\_feature  
; LOCATION: (24)  
; OTHER INFORMATION: n equals a,t,g, or c  
; NAME/KEY: misc\_feature  
; LOCATION: (31)  
; OTHER INFORMATION: n equals a,t,g, or c  
; NAME/KEY: misc\_feature  
; LOCATION: (501)  
; OTHER INFORMATION: n equals a,t,g, or c  
; NAME/KEY: misc\_feature  
; LOCATION: (1798)  
; OTHER INFORMATION: n equals a,t,g, or c

US-09-925-299-230

Query Match 77.8%; Score 1113.4; DB 9; Length 1798;  
Best Local Similarity 87.6%; Pred. No. 1e-294;  
Matches 1232; Conservative 8; Mismatches 155; Indels 11; Gaps 2;

QY 26 TCCTGGTGGCAGCTCCAGATGGTCTCTCCAGGTGAAGCTGCAGCAGTGGGGGAAG 85  
Db 173 TCCTGGTGGCTTTTAAGAGGTGCCAGTGCAGGTGAGCTGGGGAG 232  
QY 86 GACTTCTGCAGCTTCGGAGACCTGTCTCCGACCTGCGTTGTCTCTGGTGGCTCCATCA 145  
Db 233 GCGTGGTCCAGCCTGGAGGTCCCTGAGACTCTCTGTGTCAGCSTCTGGATTACCTTCA 292  
QY 146 GGGTTACTACTACTGGACCTGGATCCGCCAGACCCCGAGGGGAGCTGGAGTGATTG 205

Db 293 ---GTAGCTATGGCATGCACTGGGTCCGCCAGGCTCCAGGCAAGGGGTGGAGTGGGTGG 349  
QY 206 GCATATTTATGTGAATGGTGGGACCAACCACTCAATCCCTCCTCAAGAGTCCAGTCA 265  
Db 350 CAGTTATATSRATGATGGAAGTAAATACTATGACAGACTCGGTGAAGGCCGATTTCA 409  
QY 266 CCAATTTCAAAGACACGCTCCAAGAAACAGATTCTTCTTCTGAACTTGAATTTCTGTGACCGAGC 325  
Db 410 CCAATCTCCAGAGACAAATTCAGAAACAGCTGTATCTGCAATGAAACAGCCTGAGAGCTG 469  
QY 326 CGGACACGGCCGCTTATTACTGTGCGAGAGGCCCTCGCCCTGATTGCAACCAATTTGTT 385  
Db 470 AGGACACGGCTGTTATTAATGTCGARAGANGTTACTATGTTTCGGAAAGCATCTACTA 529  
QY 386 ATGGCGGCTGGTGCATGTCTGGGGCCCGGGAGACCTGGTCAACGCTCTCTCAGTAGCA 445  
Db 530 CTA-----CTTTGACTCTTGGGGCCAGGGAACMCTGGTCAACGCTCTCTCAGGCTCCA 581  
QY 446 CCAAGGCCCATCGGTCTTCCCCCTGGCACCCCTCTCCAAGAGCACCTCTGGGGGCACAG 505  
Db 582 CCAAGGCCCATCGGTCTTCCCCCTGGCACCCCTCTCCAAGAGCACCTCTGGGGGCACAG 641  
QY 506 CGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCGAAACCGGTGACGGTGTCTGGAAC 565  
Db 642 CGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCGAAACCGGTGACGGTGTCTGGAAC 701  
QY 566 CAGCGCCCTGACACAGCGGCTGCACACCTTCCCGGTGTCTACAGTCTCTCAGACACTCT 525  
Db 702 CAGCGCCCTGACACAGCGGCTGCACACCTTCCCGGTGTCTACAGTCTCTCAGACACTCT 761  
QY 626 ACTCCCTCAGCAGCGTGGTGAACCGTCCCTCAGCAGCTTGGGCACCCAGACCTACATCT 685  
Db 762 ACTCCCTCAGCAGCGTGGTGAACCGTCCCTCAGCAGCTTGGGCACCCAGACCTACATCT 821  
QY 686 GCAAAGTGAATCAAGCCAGCAACACCAAGGTGGAACAAGAAAGCAGAGCCCAATCTT 745  
Db 822 GCAAAGTGAATCAAGCCAGCAACACCAAGGTGGAACAAGAAAGTTCAGGCCAAATCTT 881  
QY 746 GTGACAAAACCTACACATGCCACCGTCCCGACCACTGAACTCTTGGGGGACCGTCA 805  
Db 882 GTGACAAAACCTACACATGCCACCGTCCCGACCACTGAACTCTTGGGGGACCGTCA 941  
QY 806 TCTTCTCTTCCCCCAAAACCCCAAGGACACCCCTCATGATCTCCGGACCCCTGAGGTCA 865  
Db 942 TCTTCTCTTCCCCCAAAACCCCAAGGACACCCCTCATGATCTCCGGACCCCTGAGGTCA 1001  
QY 866 CATGCGTGGTGGAGCGTGAAGCCACGAAAGACCTCGAGGTCAAGTTCAACTGGTACGTGG 925  
Db 1002 CATGCGTGGTGGAGCGTGAAGCCACGAAAGACCCCTGAGGTCAAGTTCAACTGGTACGTGG 1061  
QY 926 ACGCGTGGAGGTGCATAAATGCCAAGACAAAGCCCGGGAGGACAGTACACACGACGT 985  
Db 1062 ACGCGTGGAGGTGCATAAATGCCAAGACAAAGCCCGGGAGGACAGTACACACGACGT 1121  
QY 986 ACGGTGGTGCAGCGTCTCTCAACCGTCTGCACACGAGACTGGCTGAATGGCAAGGATACA 1045  
Db 1122 ACGGTGGTGCAGCGTCTCTCAACCGTCTGCACACGAGACTGGCTGAATGGCAAGGATACA 1181  
QY 1046 AGTGCAAGGTCTCAACAAAGCCCTCCAGGCCCCATCGAGAAACCAATCTCTCAAGGCA 1105  
Db 1182 AGTGCAAGGTCTCAACAAAGCCCTCCAGGCCCCATCGAGAAACCAATCTCTCAAGGCA 1241  
QY 1106 AAGGGCAGCCCCCAGAACCAACAGGTGTACACCTCGCCCTCCCGGATGAGCTGAGCA 1165  
Db 1242 AAGGGCAGCCCCCAGAACCAACAGGTGTACACCTCGCCCTCCCGGATGAGCTGAGCA 1301  
QY 1166 AGAACAGAGTGCAGCTGACCTGCTGCTCAAGAGCTTCTATCCAGCGACATCGCCGTGG 1225  
Db 1302 AGAACAGAGTGCAGCTGACCTGCTGCTCAAGAGCTTCTATCCAGCGACATCGCCGTGG 1361  
QY 1226 AGTGGGAGCAATGGCAGCGGAGAAACCACTACAAGACCAACGCTCCCGTCTGCTGACT 1285



Db 1422 CCGAGCGCTCTTCTTCTCTAYAGCAAGCTCACCGTGACAAAGAGCAGGTGGCAGCAGG 1481  
Qy 1346 GGAAGCTCTTCTCATGCTCCGATGATGATGAGGCTCTGCACAAACACTACAGCAGAGA 1405  
Db 1482 GGAAGCTCTTCTCATGCTCCGATGATGATGAGGCTCTGCACAAACACTACAGCAGAGA 1541  
Qy 1406 GCCTCTCCCTGTCTCCGGGTAATGA 1431  
Db 1542 GCCTCTCCCTGTCTCCGGGTAATGA 1567  
RESULT 13  
US-09-740-002-19  
; Sequence 19, Application US/09740002  
; Patent No. US2002001798A1  
; GENERAL INFORMATION:  
; APPLICANT: BRAMS, PETER  
; APPLICANT: MORROW, PHILLIP  
; TITLE OF INVENTION: NEUTRALIZING HIGH AFFINITY HUMAN MONOCLONAL ANTIBODIES  
; TITLE OF INVENTION: SPECIFIC TO RSV F-PROTEIN AND METHODS FOR THEIR  
; TITLE OF INVENTION: MANUFACTURE AND THERAPEUTIC USE THEREOF  
; FILE REFERENCE: 037003-027579  
; CURRENT APPLICATION NUMBER: US/09/740,002  
; PRIOR FILING DATE: 2000-12-20  
; PRIOR APPLICATION NUMBER: 09/335,697  
; PRIOR FILING DATE: 1999-06-18  
; PRIOR APPLICATION NUMBER: 08/488,376  
; PRIOR FILING DATE: 1995-06-07  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 19  
; LENGTH: 1428  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(1425)  
US-09-740-002-19  
Query Match 77, 7%; Score 1112.4; DB 10; Length 1428;  
Best Local Similarity 98.0%; Pred. No. 1.8e-294;  
Matches 1248; Conservative 0; Mismatches 161; Indels 9; Gaps 3;  
Qy 17 TCTTCTCTCTCTGTGGCAGCTCCAGATGGTCTGTCCAGGTGAAGCTGCAGCAGT 76  
Db 17 TCTTCTCTCTCTGTGGTGTGCTACGCGTGTCTGTGCCAGGTACAGTTGCAGAGT 76  
Qy 77 GGGGGAAGGACTTCTGCAGCCTTCGGAGACCTGTGCCGACCTGCTGTCTGTGGT 136  
Db 77 CTGGTCTCTGTGTAAACCCACAGACCTCTCACACTGACCTGCACCTTCTCTGGGT 136  
Qy 137 GCTC---CATCAGCGGTTACTACTGTGACCTGGATCCGACACCCAGGAGGGGAC 193  
Db 137 TCTACTCAGCACACAGAGAAATGAGTGTGAATCTGGATCCGACCCCGAGGAGGCC 196  
Qy 194 TGGAGTGATGGCCATATTTATGTTAATGTTGCGACACCACTACAATCCCTCCCTCA 253  
Db 197 TGGATGCTAGCCGCAATTGATTGGAGATG---ATACATTCTACAGCGTCTCTGA 253  
Qy 254 AGAGTCGAGTCACATTTTCAAAAGACACGTCCAGAACCAAGTTCTTCTGAACTTGAAT 313  
Db 254 AGACTAGGCTCAGCATCTCCAAAGACACCTCCAAAACACAGGTGTCTCAGAAATGACCA 313  
Qy 314 CTGTGACGCGGACACGCGCGCTATTACTGTGCGAGAGGCGCTCGCCCTGATTGCA 373  
Db 314 ACGTAGACCTGTGGACACAGCACATATTTTGTGACCGGCGCTCAGTATATGA---CA 370  
Qy 374 CAACATTTGTTATGGCGCTGGGTCGATGTCTTGGGGCCGGGAGACCTGGTCACCGTCT 433  
Db 371 GTGATAGTTTCTACCTCTTCTACCATGCTCTACTGGGCCAGGGAACCGTGGTCACCGTCT 430  
Qy 434 CCTAGCTAGCACCAAGGGCCCATCGGTCTTCCCTCTGGCACCCCTCTCTCAAGAGCACCT 493

Db 431 CCTCAGCTAGCACCAAGGGGCCCATCGGTCTTCCCCCTGGCACCCCTCTCTCCTCAAGAGCACCT 490  
Qy 494 CTGGGGGCACAGCGGCCCTGGGCTGCTGTCAAGGACTACTTCCCGAAACCGGTGACGG 553  
Db 491 CTGGGGGCACAGCGGCCCTGGGCTGCTGTCAAGGACTACTTCCCGAAACCGGTGACGG 550  
Qy 554 TGTCTGTGGAATCTCAGCGGCCCTGACAGCGCGGTGCAACCTTCCCGGCTGTCTCTACAGT 613  
Db 551 TGTCTGTGGAATCTCAGCGGCCCTGACAGCGCGGTGCAACCTTCCCGGCTGTCTCTACAGT 610  
Qy 614 CCTCAGGACTCTACTCCCTCAGCAGCGGTGTGACCGTGGCCCTCAGCAGCTTGGGACCC 673  
Db 611 CCTCAGGACTCTACTCCCTCAGCAGCGGTGTGACCGTGGCCCTCAGCAGCTTGGGACCC 670  
Qy 674 AGACCTTACATCTGCAACGTGAATCAAAAGCCAGCAACCAAGGTGGACAAAGAGCAG 733  
Db 671 AGACCTTACATCTGCAACGTGAATCAAAAGCCAGCAACCAAGGTGGACAAAGAGCAG 730  
Qy 734 AGCCCAAAATCTTGTGACAAATCTCACATGCCCCACCGTGCACCGTGCACCTGAACTCTCTGG 793  
Db 731 AGCCCAAAATCTTGTGACAAATCTCACATGCCCCACCGTGCACCGTGCACCTGAACTCTCTGG 790  
Qy 794 GGGGACCGTCACTCTTCTCTTCCCCCAAAACCCAGAGCACCTCATGATCTCCCCGA 853  
Db 791 GGGGACCGTCACTCTTCTCTTCCCCCAAAACCCAGAGCACCTCATGATCTCCCCGA 850  
Qy 854 CCCTCAGGTTCACATGCGTGTGTGACGTGAGCCACGAGACCCCTGAGTCAAGTTCA 913  
Db 851 CCCTCAGGTTCACATGCGTGTGTGACGTGAGCCACGAGACCCCTGAGTCAAGTTCA 910  
Qy 914 ACTGTTACGTGAGCGCGTGGAGTGCATTAATGCAAGACAAAGCCCGGAGGAGCAGT 973  
Db 911 ACTGTTACGTGAGCGCGTGGAGTGCATTAATGCAAGACAAAGCCCGGAGGAGCAGT 970  
Qy 974 ACAACAGCAGTACCGTGTGTGACGTCTCACCGTCTCTGACACGAGACTGGCTGAATG 1033  
Db 971 ACAACAGCAGTACCGTGTGTGACGTCTCACCGTCTCTGACACGAGACTGGCTGAATG 1030  
Qy 1034 GCAAGGAGTACAAGTGAAGTCTCCAAACAAAGCCCTCCAGCCCCCATCGAGAAAAACA 1093  
Db 1031 GCAAGGAGTACAAGTGAAGTCTCCAAACAAAGCCCTCCAGCCCCCATCGAGAAAAACA 1090  
Qy 1094 TCTCCAAAGCAAAAGGCGAGCCCGAGAACCAACAGGTGTACACCTGCCCCCATCCCCGG 1153  
Db 1091 TCTCCAAAGCAAAAGGCGAGCCCGAGAACCAACAGGTGTACACCTGCCCCCATCCCCGG 1150  
Qy 1154 ATGAGCTGACCAAGAACCCAGGTGACCTGACCTGCTGCTGCTCAAGGGTCTTCTATCCAGCG 1213  
Db 1151 ATGAGCTGACCAAGAACCCAGGTGACCTGACCTGCTGCTGCTCAAGGGTCTTCTATCCAGCG 1210  
Qy 1214 ACATCGCGTGGAGTGGGAGAGCAATGGGAGCCGCGAGAACAACTACAAGACCCAGCGCTC 1273  
Db 1211 ACATCGCGTGGAGTGGGAGAGCAATGGGAGCCGCGAGAACAACTACAAGACCCAGCGCTC 1270  
Qy 1274 CGGTGTGAGTCCGACGGCTCTTCTCTCTTCTCTACAGCAAGCTCACCGTGGACAAAGCA 1333  
Db 1271 CGGTGTGAGTCCGACGGCTCTTCTCTCTTCTCTACAGCAAGCTCACCGTGGACAAAGCA 1330  
Qy 1334 GGTGGCAGCAGGGAAGCTTCTCTATGCTCCGTCGATGAGGCTCTGCACACCACT 1393  
Db 1331 GGTGGCAGCAGGGAAGCTTCTCTATGCTCCGTCGATGAGGCTCTGCACACCACT 1390  
Qy 1394 ACACGCAAGAGAGCTCTCCCTGTCTCCGGGTAATGA 1431  
Db 1391 ACACGCAAGAGAGCTCTCCCTGTCTCCGGGTAATGA 1428

RESULT 14  
US-09-954-456-789  
; Sequence 789, Application US/09954456  
; Patent No. US20020115057A1  
; GENERAL INFORMATION:  
; APPLICANT: Young, Paul

; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand  
; FILE OF INVENTION: Sets  
; FILE REFERENCE: 689290-76  
; CURRENT APPLICATION NUMBER: US/09/954,456  
; PRIOR FILING DATE: 2001-09-18  
; PRIOR APPLICATION NUMBER: US/60/233,617  
; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: US/60/234,052  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,923  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,134  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,637  
; PRIOR FILING DATE: 2000-09-26  
; PRIOR APPLICATION NUMBER: US/60/235,638  
; PRIOR FILING DATE: 2000-09-26  
; PRIOR APPLICATION NUMBER: US/60/235,711  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,720  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,840  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,863  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 2276  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 789  
; LENGTH: 1599  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-954-456-789

Query Match 77.0%; Score 1102; DB 10; Length 1599;  
Best Local Similarity 86.9%; Pred. No. 1.3e-291;  
Matches 1236; Conservative 0; Mismatches 180; Indels 6; Gaps 2;  
QY 13 TGGTTCTCTCTCTGGTGGCAGCTCCAGATGGGTCTCTCCAGATGAGTGAAGTGGCAG 72  
DB 47 TGGAGGTTCCTCTTTGTGGTGGCAGCAGCTACAGGTGTCCAGTCCAGATGCAGTGGTG 106  
QY 73 CAGTGGGGCAGAGACATCTCGAGCTTCGAGCCCTCGAGACCCCTGTCCCGACCTCGGTGTCTCT 132  
DB 107 CAGTCTGGGGTGAAGTAAAGAGCCCTGGGTCTCGGTGAGCGGTCTCTCGAAGGCATCT 166  
QY 133 GGTGGCTCCATCAGCGGTACTACTTACTGGACCTGGATCCGCCAGACCCCGAGGGAGGGA 192  
DB 167 GGAGCCACCTTCAGC--AACTATGCTATCAGCTGGGTGGCAGACAGGCCCTTGGACAGGG 223  
QY 193 CTGAGTGGATTGGCCATATTATGTTAATGGTGGCGACCAACAATCCCTCCCTC 252  
DB 224 CTTGAGTGGATGGGAGGATCATCCCTCTTTTGTACACCAACCTACTACAGAACTTC 283  
QY 253 AAGAGTCGAGTCACCATTTCAAAGACACGTCGAAGAACAGTCTTCTCGAATCTGAAT 312  
DB 284 CAGGCGAGAGTCAGATTTACCGCGGCAAAATCCACAGCAGGCCACATGGAGTGTATC 343  
QY 313 TCTGTGACCGACGGGACACGGCCGTCTATTACTGTGGGAGAG--GCCCTCGCCCTGAT 369  
DB 344 AGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGGCAGATCGTACAGGAGGCA 403  
QY 370 TGCACAAACCAATTTGTTATGGCGGTGGGTGATGTCTGGGGCCCGGGAGACCTGTGTCA 429  
DB 404 AATTTTGACCGGGCCGGTGGTGGTTCGACCCCTGGGGCCAGGACACCTGTGTCA 463  
QY 430 GTCTCTCAGTACACAGAGGGCCCATCGGTCTTCCCTCGGACACCTCTCTCAAGAGC 489  
DB 464 GTCTCTCAGCCTCCACAGAGGGCCCATCGGTCTTCCCTCGGACACCTCTCTCAAGAGC 523  
QY 490 ACCTCTGGGGCAGAGCGGCCCTGGGTCTGCTGTGCAAGACTACTTCCCGGACCGGTG 549  
DB 524 ACCTCTGGGGCAGAGCGGCCCTGGGTCTGCTGTGCAAGACTACTTCCCGGACCGGTG 583

QY 550 ACGGTGTCTGTGAACCTCAGGCGCCCTGACCGCGCTGCACACCTTCCCGCTGTCTCTA 609  
DB 584 ACGGTGTCTGTGAACCTCAGGCGCCCTGACCGCGCTGCACACCTTCCCGCTGTCTCTA 643  
QY 610 CAGTCTCTCAGGACTCTACTCTCTCAGCAGCGTGTGACCGTGCCTTCCAGCAGCTTGGGC 669  
DB 644 CAGTCTCTCAGGACTCTACTCTCTCAGCAGCGTGTGACCGTGCCTTCCAGCAGCTTGGGC 703  
QY 670 ACCCAGACTACATCTGCAACGTGATCAAGCCCGCAGCAACACCAAGGTGACAGAA 729  
DB 704 ACCCAGACTACATCTGCAACGTGATCAAGCCCGCAGCAACACCAAGGTGACAGAA 763  
QY 730 GCAGAGCCCAAAATCTTGTGACAAAACTCACACATGCCCGTGCACAGCCTTGAACCTC 789  
DB 764 GTTGAAGCCCAATCTTGTGACAAAACTCACACATGCCCGTGCACAGCCTTGAACCTC 823  
QY 790 CTGGGGGACCGTGTGATCTTCTTCTTCCCAAAACCAAGGACACCTCTATGATCTCC 849  
DB 824 CTGGGGGACCGTGTGATCTTCTTCTTCCCAAAACCAAGGACACCTCTATGATCTCC 883  
QY 850 CGGACCCCTGAGGTACATGCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 909  
DB 884 CGGACCCCTGAGGTACATGCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 943  
QY 910 TTCAACTGGTACGTGGACCGGTGGAGGTGCATATGCAAGACAAAGCCGCGGAGGAG 969  
DB 944 TTCAACTGGTACGTGGACCGGTGGAGGTGCATATGCAAGACAAAGCCGCGGAGGAG 1003  
QY 970 CAGTACAAACAGCAGTACCGGTGTGTCAGCGTCTCTCACCGTCTCTGACAGCAGTGGCTG 1029  
DB 1004 CAGTACAAACAGCAGTACCGGTGTGTCAGCGTCTCTCACCGTCTCTGACAGCAGTGGCTG 1063  
QY 1030 AATGGCAGGAGTACAAAGGTCTTCAAAAGAGCCCTCCAGCCGCCCATTCAGAA 1089  
DB 1064 AATGGCAGGAGTACAAAGGTCTTCAAAAGAGCCCTCCAGCCGCCCATTCAGAA 1123  
QY 1090 ACCATCTCCAAAGCCAAAGGCGAGCCCGAGAACACAGGTGTACACCTGTGCCCCATCC 1149  
DB 1124 ACCATCTCCAAAGCCAAAGGCGAGCCCGAGAACACAGGTGTACACCTGTGCCCCATCC 1183  
QY 1150 CGGATGAGTGTACAAAGAACCAAGTGTGTCAGCTGTGTCCTGTGTCCTGTCAGCAGTGGCT 1209  
DB 1184 CGGATGAGTGTACAAAGAACCAAGTGTGTCAGCTGTGTCCTGTGTCCTGTCAGCAGTGGCT 1243  
QY 1210 AGCCACATCGCGGTGGTGGAGGAGCAATGGCAGCCGAGAACCACTACAGACCCAG 1269  
DB 1244 AGCCACATCGCGGTGGTGGAGGAGCAATGGCAGCCGAGAACCACTACAGACCCAG 1303  
QY 1270 CCTCCCGTGTGGACTCCGACCGGTCTTCTTCTCTTACAGCAAGCTCACCGTGGACAG 1329  
DB 1304 CCTCCCGTGTGGACTCCGACCGGTCTTCTTCTCTTACAGCAAGCTCACCGTGGACAG 1363  
QY 1330 AGCAGGTGGCAGCAGGGGAACGTCTTCTCATGTCCGTGTGATGATGAGGTCTGCAAC 1389  
DB 1364 AGCAGGTGGCAGCAGGGGAACGTCTTCTCATGTCCGTGTGATGATGAGGTCTGCAAC 1423  
QY 1390 CACTACAGCAGAGAGCGCTCTCCCTGTCTCCGGTAAATGA 1431  
DB 1424 CACTACAGCAGAGAGCGCTCTCCCTGTCTCCGGTAAATGA 1465

## RESULT 15

US-09-954-456-1604  
; Sequence 1604, Application US/09954456  
; Patent No. US20020115057A1  
; GENERAL INFORMATION:  
; APPLICANT: Young, Paul  
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using C  
; FILE OF INVENTION: Sets  
; FILE REFERENCE: 689290-76  
; CURRENT APPLICATION NUMBER: US/09/954,456  
; CURRENT FILING DATE: 2001-09-18  
; PRIOR APPLICATION NUMBER: US/60/233,617



; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: US/60/234,052  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,923  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,134  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,637  
; PRIOR FILING DATE: 2000-09-26  
; PRIOR APPLICATION NUMBER: US/60/235,638  
; PRIOR FILING DATE: 2000-09-26  
; PRIOR APPLICATION NUMBER: US/60/235,711  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,720  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,840  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,863  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 2276  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1604  
; LENGTH: 1599  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-954-456-1604

Query Match 77.0%; Score 1102; DB 10; Length 1599;  
Best Local Similarity 86.9%; Pred. No. 1.3e-291;  
Matches 1236; Conservative 0; Mismatches 180; Indels 6; Gaps 2;  
  
QY 13 TGGTTCCTCTCCTCTGCTGTCAGTCCAGATGGGTCTCTGCCAGGTGAAGCTGCAG 72  
DB 47 TGGAGTTTCCTTTTGGTGGCAGCAGCTACAGGTGTCAGTCCAGATGCAGGTGGT 106  
  
QY 73 CAGTGGGGGGAAGACTTCTGTCAGGCTTCGGAGACCTGTCCGGACCTGGTGTCTCT 132  
DB 107 CAGTCTGGGGCTGAAGTAAGAAGCTGGGTCTCGGTGACGGTCTCTCTGCAAGGCATCT 166  
  
QY 133 GGTGGCTCCATCAGCGGTGTACTACTGTGAGCTGGATCGGCAGACCCCGAGGGGGA 192  
DB 167 GGAGGCACCTTCAGC---AATATGCTATCAGCTGGGTGCGACAGGCCCTTGGACAAGGG 223  
  
QY 193 CTGGAGTGGATTGGCCATATTTATGGTAATGGTATGGTGCACCAACCAATACAACTCCCTCCCTC 252  
DB 224 CTGGAGTGGATGGAGGGATCATCCTCTTTTGGTATACCAACCTTACTCACAGAACTTC 283  
  
QY 253 AAGAGTCAGTCAACATTTCAAAGACACGTCCTCAAGAACCAAGTTCTTCTGAACTTGAAT 312  
DB 284 CAGGGCAGAGTCACGATTACCGCGGACAAATCCACCAGCACAGCCCCCATGGAGCTGATC 343  
  
QY 313 TCTGTGACCGACGCGGACACGGCGCTCTATTACTGTGCGAGAG---GCCCTCGCCCTGAT 369  
DB 344 AGCCTGAGATCTGAGGACACGGCCGTGTATTTACTGTGCGACAGATCGCTACAGCGAGGCA 403  
  
QY 370 TGCACAAACCATTTGTTATTCGGCGCTGGGTTCGATGTCGGGGCCCGGGAGACCTGGTCAACC 429  
DB 404 AATTTTGACCGGGCCCGGGTGTGGTGGTTCGACCCCTGGGGCCAGGGCACCCTGGTCAACC 463  
  
QY 430 GTCTCTCAGCTAGCAGCAACAGGGCCCATCGGTCTTCCCTCTGGCACTCTCTTCAAAGAGC 489  
DB 464 GTCTCTCAGCTCAGCAACAGGGCCCATCGGTCTTCCCTCTGGCACTCTCTTCAAAGAGC 523  
  
QY 490 ACCTCTGGGGGACACGGCGCCCTGGGCTGCTGCTCAAGAGACTACTTCCCGGAACCGGTG 549  
DB 524 ACCTCTGGGGGACACGGCGCCCTGGGCTGCTGCTCAAGAGACTACTTCCCGGAACCGGTG 583  
  
QY 550 ACGGTGTCTGTGAACCTCAGCGCCCTGACAGCGGGGTGCACACCTTCCCGGTGTCTCTA 609  
DB 564 ACGGTGTCTGTGAACCTCAGCGCCCTGACAGCGGGGTGCACACCTTCCCGGTGTCTCTA 643  
  
QY 610 CAGTCTCTAGGACTTCTACTCTCAGCAGCGGTGTGACCGTGCCTTCCAGCAGCTTGGGC 669

DB 644 CAGTCTCTAGGACTTCTACTCCCTCAGCAGGGTGGTGACCGTGCCTCCAGCAGCTTGGGC 703  
QY 670 ACCCAGACCTACATCTGCAACCGTGAATCAACGCCAGCAACCAAGGTGGACAAGAAA 729  
DB 704 ACCCAGACCTACATCTGCAACCGTGAATCAACGCCAGCAACCAAGGTGGACAAGAAA 763  
QY 730 GCAGAGCCCAATCTTGTGACAAACTCACACATGCCACCGTGCCTCCAGCAGCTTGAATCT 789  
DB 764 GTTGAGCCCAATCTTGTGACAAACTCACACATGCCACCGTGCCTCCAGCAGCTTGAATCT 823  
QY 790 CTGGGGGGACCGTCAGTCTTCTCTTCCCCCAAAACCCCAAGGACACCTCTCATGATCTCC 849  
DB 824 CTGGGGGGACCGTCAGTCTTCTCTTCCCCCAAAACCCCAAGGACACCTCTCATGATCTCC 883  
QY 850 CGGACCCCTGAGGTACATGCTGCTGGTGGACGTGAGCCACGAAGACCTCTGAGGTCAAG 909  
DB 884 CGGACCCCTGAGGTACATGCTGCTGGTGGACGTGAGCCACGAAGACCTCTGAGGTCAAG 943  
QY 910 TTCAACTGGTACCTGACCGCGTGGAGTGCATAATGCCAAGACAAAGCCCGGGAGGAG 969  
DB 944 TTCAACTGGTACCTGACCGCGTGGAGTGCATAATGCCAAGACAAAGCCCGGGAGGAG 1003  
QY 970 CAGTACAACAGCACGTCACGCTGCTCAGCGTCTCTACCGTCTCTGACCGAGACTGGGCTG 1029  
DB 1004 CAGTACAACAGCACGTCACGCTGCTCAGCGTCTCTACCGTCTCTGACCGAGACTGGGCTG 1063  
QY 1030 AATGGCAAGGAGTACAAGTCAAGGTCTCCAACAAGCCCTTCCAGCCCCCATCGAGAAA 1089  
DB 1064 AATGGCAAGGAGTACAAGTCAAGGTCTCCAACAAGCCCTTCCAGCCCCCATCGAGAAA 1123  
QY 1090 ACCATCTCCAAGGCCAAAGGGCAGCCCGGAGAACCAAGTGTATACCCCTGCCCCCATCC 1149  
DB 1124 ACCATCTCCAAGGCCAAAGGGCAGCCCGGAGAACCAAGTGTATACCCCTGCCCCCATCC 1183  
QY 1150 CGGGATGAGCTGACCAAGAACCCAGGTGAGCTGACCTGCTGCTGCTCAAGGGCTTCTATCCC 1209  
DB 1184 CGGGATGAGCTGACCAAGAACCCAGGTGAGCTGACCTGCTGCTGCTCAAGGGCTTCTATCCC 1243  
QY 1210 AGCGACATCCCGTGGAGTGGGAGCAATGGGAGCGCGGAGAACAACTACAAGACCCAG 1269  
DB 1244 AGCGACATCCCGTGGAGTGGGAGCAATGGGAGCGCGGAGAACAACTACAAGACCCAG 1303  
QY 1270 CCTCCCGTGTGAGTCCGAGCGGCTCTTCTCTCTACAGCAAGCTCACCGTGGACAAAG 1329  
DB 1304 CCTCCCGTGTGAGTCCGAGCGGCTCTTCTCTCTACAGCAAGCTCACCGTGGACAAAG 1363  
QY 1330 AGCAGGTGGCAGCAGGGGAAAGCTTCTCTCTGCTGCTGATGATGAGGCTCTGCACAAAC 1389  
DB 1364 AGCAGGTGGCAGCAGGGGAAAGCTTCTCTCTGCTGCTGATGATGAGGCTCTGCACAAAC 1423  
QY 1390 CACTACACGAGAGAGCCTCTCCCTGTCTCCGGTAAATGA 1431  
DB 1424 CACTACACGAGAGAGCCTCTCCCTGTCTCCGGTAAATGA 1465

Search completed: April 6, 2003, 12:53:05  
Job time : 148.88 secs



GenCore version 5.1.3  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 6, 2003, 01:56:24 ; Search time 71.8695 Seconds  
(without alignments)  
8604.535 Million cell updates/sec

Title: US-09-758-173-1  
Perfect score: 705  
Sequence: 1 ATGAGGGTCCCGCTCAGCT.....CCCTACAGAGTTCATGA 705

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438583890 residues  
Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA:\*

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*  
2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*  
5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*  
6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*  
8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*  
9: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*  
10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*  
11: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*  
12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*  
13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*  
14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	705	100.0	705	9	US-10-124-905-1
2	705	100.0	705	9	US-09-948-429B-1
3	705	100.0	705	9	US-10-073-138-1
4	540.2	76.6	711	9	US-10-124-905-9
5	540.2	76.6	711	9	US-09-948-429B-9
6	540.2	76.6	711	9	US-10-073-138-5
7	530	75.2	868	10	US-09-822-849A-157
8	512.8	72.7	960	10	US-09-925-301-582
9	501.6	71.1	830	9	US-09-981-353-42
10	488.6	69.3	846	9	US-09-981-353-55
11	487	69.1	1480	9	US-09-981-353-146
12	473.8	67.2	857	10	US-09-822-849A-158
13	472	67.0	768	10	US-09-747-669-4
14	472	67.0	768	10	US-09-747-669-5
15	465.6	66.0	826	9	US-10-098-841-316
16	462.8	65.6	915	10	US-09-954-456-788
17	462.8	65.6	915	10	US-09-880-107-3743
18	447.6	63.5	2112	9	US-10-001-857-108
19	435.6	61.8	885	9	US-09-852-797-47

20	435.6	61.8	885	10	US-09-853-161-47	Sequence 47, Appl
21	435.6	61.8	885	10	US-09-852-659A-47	Sequence 47, Appl
22	434	61.6	879	9	US-09-852-797-29	Sequence 29, Appl
23	434	61.6	879	10	US-09-853-161-29	Sequence 29, Appl
24	434	61.6	879	10	US-09-852-659A-29	Sequence 29, Appl
25	432.2	61.3	928	9	US-09-852-797-46	Sequence 46, Appl
26	432.2	61.3	928	10	US-09-853-161-46	Sequence 46, Appl
27	432.2	61.3	928	10	US-09-852-659A-46	Sequence 46, Appl
28	415.4	58.9	1480	9	US-09-981-353-146	Sequence 146, Appl
29	395.4	56.1	764	9	US-09-981-353-46	Sequence 46, Appl
30	392.4	55.7	491	9	US-09-736-457-833	Sequence 833, Appl
31	392.4	55.7	491	9	US-09-902-941-833	Sequence 833, Appl
32	392.4	55.7	491	9	US-09-849-626-833	Sequence 833, Appl
33	392.4	55.7	491	9	US-10-017-754-833	Sequence 833, Appl
34	389.4	55.2	558	9	US-09-920-455-58	Sequence 58, Appl
35	387.4	55.0	608	9	US-09-736-457-908	Sequence 908, Appl
36	387.4	55.0	608	9	US-09-902-941-908	Sequence 908, Appl
37	387.4	55.0	608	9	US-09-849-626-908	Sequence 908, Appl
38	387.4	55.0	608	9	US-10-017-754-908	Sequence 908, Appl
39	375	53.2	543	9	US-09-736-457-970	Sequence 970, Appl
40	375	53.2	543	9	US-09-902-941-970	Sequence 970, Appl
41	375	53.2	543	9	US-09-849-626-970	Sequence 970, Appl
42	375	53.2	543	9	US-10-017-754-970	Sequence 970, Appl
43	373.4	53.0	938	9	US-09-828-995B-25	Sequence 25, Appl
44	373.4	53.0	938	9	US-09-828-995B-27	Sequence 27, Appl
45	370.2	52.5	648	10	US-09-736-371B-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1  
US-10-124-905-1  
; Sequence 1, Application US/10124905  
; Patent No. US20020166136A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Darrell R.  
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF, AND USE THEREOF AS PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS IMMUNOSUPPRESSANTS"  
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS IMMUNOSUPPRESSANTS"  
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS IMMUNOSUPPRESSANTS"  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22314  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/124,905  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/383,916  
; FILING DATE:  
; APPLICATION NUMBER: US 08/487,550  
; FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Teskin, Robin L.  
; REGISTRATION NUMBER: 35,030  
; REFERENCE/DOCKET NUMBER: 012712-131  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-836-6620  
; TELEFAX: 703-836-2021  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 705 base pairs



361 GGAGGACCGGGTACCCTCTAGGTACGCCCAAGGCTGCCCTCGGTCACTCTGTTTC 420  
361 GGAGGACCGGGTACCCTCTAGGTACGCCCAAGGCTGCCCTCGGTCACTCTGTTTC 420  
421 CGCCCTCTCTGAGAGCTTCAAGCAACAAGGCCACACTGGTGTCTCATAAGTGAC 480  
421 CGCCCTCTCTGAGAGCTTCAAGCAACAAGGCCACACTGGTGTCTCATAAGTGAC 480  
481 TTCTACCCGGGAGCGGTGACAGTGGCTTGAAGGCAGATAGACGCCCGTCAAGGCGGGA 540  
481 TTCTACCCGGGAGCGGTGACAGTGGCTTGAAGGCAGATAGACGCCCGTCAAGGCGGGA 540  
541 GTGAGACCAACACACCTTCCAAACAAGCAACAAGTACCGGCCACGACTACCTG 600  
541 GTGAGACCAACACACCTTCCAAACAAGCAACAAGTACCGGCCACGACTACCTG 600  
601 AGCCTACCGCTGAGCAGTGGAGTCCACAGAGCTACAGCTGCCAGTACGCGATGAA 660  
601 AGCCTACCGCTGAGCAGTGGAGTCCACAGAGCTACAGCTGCCAGTACGCGATGAA 660  
661 GGGAGCACCGTGAGAGACAGTGGCCCTACAGAAATGTTTCATGA 705  
661 GGGAGCACCGTGAGAGACAGTGGCCCTACAGAAATGTTTCATGA 705

RESULT 3  
US-10-073-138-1  
; Sequence 1, Application US/10073138  
; Publication No. US20020187146A1  
; GENERAL INFORMATION:  
; APPLICANT: ANDERSON, Darrell R.  
;           HANNA, Nabil  
;           BRAMS, Peter  
; TITLE OF INVENTION: IDENTIFICATION OF UNIQUE BINDING  
;                   INTERACTIONS BETWEEN CERTAIN ANTIBODIES AND THE HUMAN B7.1  
;                   AND B7.2 CO-STIMULATORY ANTIGENS  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
;           ADDRESS: BURNS, DOANE, SWECKER & MATHIS  
;           STREET: P.O. Box 1404  
;           CITY: Alexandria  
;           STATE: Virginia  
;           COUNTRY: United States  
;           Zip: 22313-1404  
; COMPUTER READABLE FORM:  
;           MEDIUM TYPE: Floppy disk  
;           COMPUTER: IBM PC compatible  
;           OPERATING SYSTEM: PC-DOS/MS-DOS  
;           SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
;           APPLICATION NUMBER: US/10/073,138  
;           FILING DATE: 13-Feb-2002  
;           CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
;           APPLICATION NUMBER: US/08/746,361  
;           FILING DATE: 08-NOV-1996  
;           APPLICATION NUMBER: US 08/487,550  
;           FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
;           NAME: Teekin, Robin L.  
;           REGISTRATION NUMBER: 35,030  
;           REFERENCE/DOCKET NUMBER: 012712-256  
; TELECOMMUNICATION INFORMATION:  
;           TELEPHONE: (703) 836-6620  
;           TELEFAX: (703) 836-2021  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
;           LENGTH: 705 base pairs  
;           TYPE: nucleic acid  
;           STRANDEDNESS: single  
;           TOPOLOGY: linear  
;           MOLECULE TYPE: DNA (genomic)

FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 1..705  
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-10-073-138-1  
  
Query Match           100.0%; Score 705; DB 9; Length 705;  
Best Local Similarity 100.0%; Pred. No. 1.2e-205;  
Matches 705; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 ATGAGGTCCTCCGCTCAGCTCCTGGGGCTCTGCTGCTCTGGCTCCCGAGTGACCATGT 60  
Db 1 ATGAGGTCCTCCGCTCAGCTCCTGGGGCTCTGCTGCTCTGGCTCCCGAGTGACCATGT 60  
  
QY 61 GCCTATGAATGACTGACTCAGCCACCTCGGTGTCTGCTGCTGCTGCTGCTGCTGCTGCT 120  
Db 61 GCCTATGAATGACTGACTCAGCCACCTCGGTGTCTGCTGCTGCTGCTGCTGCTGCTGCT 120  
  
QY 121 ACCTGTGGGGAGACAACAGTAGAATGAATGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180  
Db 121 ACCTGTGGGGAGACAACAGTAGAATGAATGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180  
  
QY 181 CGGGCCCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240  
Db 181 CGGGCCCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240  
  
QY 241 TTCTCTGGCTCCAAATCAGGGAAACACCGCCACCTGACCATCAACGGGGTCGAGGCCGGG 300  
Db 241 TTCTCTGGCTCCAAATCAGGGAAACACCGCCACCTGACCATCAACGGGGTCGAGGCCGGG 300  
  
QY 301 GATGAGGCTGACTATTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360  
Db 301 GATGAGGCTGACTATTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 360  
  
QY 361 GAGGAGCCCGGGTACCGCTCTAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420  
Db 361 GAGGAGCCCGGGTACCGCTCTAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420  
  
QY 421 CGCCCTCTCTCTGAGGAGCTTCAAGCAACAAGGCCACACTGGTGTGCTCATAAGTGAC 480  
Db 421 CGCCCTCTCTCTGAGGAGCTTCAAGCAACAAGGCCACACTGGTGTGCTCATAAGTGAC 480  
  
QY 481 TTCTACCCGGGAGCGGTGACAGTGGCTTGAAGGCAGATAGACGCCCGTCAAGGCGGGA 540  
Db 481 TTCTACCCGGGAGCGGTGACAGTGGCTTGAAGGCAGATAGACGCCCGTCAAGGCGGGA 540  
  
QY 541 GTGAGACCAACACACCTTCCAAACAAGCAACAAGTACCGGCCACGACTACCTG 600  
Db 541 GTGAGACCAACACACCTTCCAAACAAGCAACAAGTACCGGCCACGACTACCTG 600  
  
QY 601 AGCCTGACCGCTGAGCAGTGGAGTCCACAGAGCTACAGCTGCCAGTACGCGATGAA 660  
Db 601 AGCCTGACCGCTGAGCAGTGGAGTCCACAGAGCTACAGCTGCCAGTACGCGATGAA 660  
  
QY 661 GGGAGCACCGTGAGAGACAGTGGCCCTACAGAAATGTTTCATGA 705  
Db 661 GGGAGCACCGTGAGAGACAGTGGCCCTACAGAAATGTTTCATGA 705  
  
RESULT 4  
US-10-124-905-9  
; Sequence 9, Application US/10124905  
; Patent No. US20020166136A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Darrell R.  
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC  
;                   TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,  
;                   PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS  
;                   IMMUNOSUPPRESSANTS"  
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS  
;                   IMMUNOSUPPRESSANTS"  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
;           ADDRESS: BURNS, DOANE, SWECKER & MATHIS  
;           STREET: 699 Prince Street

CITY: Alexandria  
 STATE: VA  
 COUNTRY: USA  
 ZIP: 22314  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/124,905  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 09/383,916  
 FILING DATE:  
 APPLICATION NUMBER: US 08/487,550  
 FILING DATE: 07-JUN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Teskin, Robin L.  
 REGISTRATION NUMBER: 35,030  
 REFERENCE/DOCKET NUMBER: 012712-131  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 703-836-6620  
 TELEFAX: 703-836-2021  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 711 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: not relevant  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1..711  
 FEATURE:  
 NAME/KEY: mat\_peptide  
 LOCATION: 1..711  
 US-10-124-905-9

Query Match	76.6%	Score 540.2	DB 9	Length 711
Best Local Similarity	86.1%	Pred. No. 2.5e-155		
Matches 612	Conservative 0	Mismatches 93	Indels 6	Gaps 1
1	ATCAGGGTCCCGGCTCAGCTCCTGGGGCTCCTGCTGCTCTGGCTCCACAGGTGACGATGT	60		
1	ATCAGGGTCCCGGCTCAGCTCCTGGGGCTCCTGCTGCTCTGGCTCCACAGGTGACGATGT	60		
61	GCCTATGAACTGACTCAGCCACCCCTCGGTGTCAGTGTCCTCCAGGACAGACGGCCAGGATC	120		
61	GAGTCTGTCTGCACACAGCGGCCCTCAGTGTCTGGGGCCCCAGGGGACAGAGGTACCATC	120		
121	ACCTGTGGGGG-----AGACAAACAGTAGAAATGAATATGTCCTACTGGTACACGACGAAG	174		
121	TCGTGCACTGGGACCACTCAACATTGGAGGTTATGATCTACATTGTCACAGAGCTC	180		
175	CCAGCGCGGGCCCTATPACTGTTTCATCTATGATGATAGTGACGGGGCCCTCAGGGATCCCT	234		
181	CCAGGAACGGGCCCCAAACTCCTCATCTAGCATTTAAACAGCGACCCCTCAGGAATTTCT	240		
235	GACGGATTCTCTGGCTCCAAATCAGGGAAACCCGCCACCTTGACCATCAACGGGGTCGAG	294		
241	GACCGAATTCTCTGGCTCCAAAGTCGGTACCGCGGCCCTCCCTGGCCATCACTGGGCTCCAG	300		
295	GCCGGGGATCAGGCTGACTATTACTGTTCAGGTGTGGGACAGGGGCTAGTGATCATCCCGGTC	354		
301	ACTGAGGATCAGGCTGATTATTACTGCCAGTCTTATGACAGCAGCCTGAATCTCAGGTA	360		
355	TTTCGGAGGAGGACCCGGGTGACCGTCTTAGTGTAGCCCAAGGCTGCCCTCCGGTCACT	414		
361	TTTCGGAGGAGGACCCGGGCTGACCGTCTTAGGTGACGCCCAAGGCTGCCCTCCGGTCACT	420		
415	CTGTTCGGGCCCTCCTCTGAGGAGCTTTCAAGGCCAAACAGGGCCACACTGGTGTGTCATA	474		

Db	421	CTGTTCCGGCCCTCTCTGAGGAGCTTCAAGGCACCAAGGCCCACTGGTGGTCTCAT	480
Qy	475	AGTGAATTCTACCCGGAGCGGTGACAGTGGCGCTGGAAGGCAGATAGCAGCCCCGTCAAG	534
Db	481	AGTGACTTCTACCCGGGAGCCGTGACAGTGGCGCTGGAAGGCAGATAGCAGCCCCGTCAAG	540
Qy	535	GCGGGAGTGGAGACCAACACACCTCCAAAACAAAGTACGCGGCCAGCAGC	594
Db	541	GCGGGAGTGGAGACCAACACACCTCCAAAACAAAGTACGCGGCCAGCAGC	600
Qy	595	TACCTGAGCTGACGCGCTGACGAGTGGAGTCCCAAGAGCTACAGTCCAGGTCACG	654
Db	601	TACCTGAGCTGACGCGCTGACGAGTGGAGTCCCAAGAGCTACAGTCCAGGTCACG	660
Qy	655	CATGAAGGGAGCACCTGGAGAGACAGTGGGCCCTTACAGATGTTTCATGA	705
Db	661	CATGAAGGGAGCACCTGGAGAGACAGTGGGCCCTTACAGATGTTTCATGA	711

```

RESULT 5
US-09-948-429B-9
; Sequence 9, Application US/09948429B
; Patent No. US20020177689A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/948,429B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 711 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..711
; FEATURE:
; NAME/KEY: mat peptide
; LOCATION: 1..711
;
US-09-948-429B-9

```





QY 244 TCTGGCTCCAAATCAGGGAACACCGCCACCTGACCATCAACAGGGTCCAGGCGCGGGAT 303  
DB 274 TCTGCTCCAGCTCAGGGAACAATGGCCACCTTGACTATCATAGTGGGCCCCAGGTGGAGAT 333  
QY 304 GAGCTGACTATTAAGTGTGAGGTGGGACAGGGCTAGTGAATCATCGGTCCTTCGGAGGA 363  
DB 334 GAAGCGACTACTACTCTACTCAACAGACAGCAGATTCTTATTACAGGGTGTTCGGCGGA 393  
QY 364 GGGACCCGGGTGACCGTCTTAGGTACGCCCAAGGCTGCCCTCGGTCACTCTGTTCCCG 423  
DB 394 GGGACCAAGCTGACCGTCTTAGGTACGCCCAAGGCTGCCCTCGGTCACTCTGTTCCCG 453  
QY 424 CCCTCTCTGAGGAGCTTCAAGCCCAAGGCACTAGTGTGTCTCAATAGTGAATTC 483  
DB 454 CCCTCTCTGAGGAGCTTCAAGCCCAAGGCACTAGTGTGTCTCAATAGTGAATTC 513  
QY 484 TACCCGGGAGCGGTGACAGTGGGCTGGAAGGCGAGATAGCAGCCCGGTCAAGGGCGGAGTG 543  
DB 514 TACCCGGGAGCGGTGACAGTGGGCTGGAAGGCGAGATAGCAGCCCGGTCAAGGGCGGAGTG 573  
QY 544 GAGACACACACCTCCAAACAAAGCAACAAGTACGGGCGAGCCTACCTGAGC 603  
DB 574 GAGACACACACCTCCAAACAAAGCAACAAGTACGGGCGAGCCTACCTGAGC 633  
QY 604 CTGACGCTGAGCAGTGGAGTCCACAGAGCTACAGCTGCCAGGTCAAGCATGAAGGG 663  
DB 634 CTGACGCTGAGCAGTGGAGTCCACAGAGCTACAGCTGCCAGGTCAAGCATGAAGGG 693  
QY 664 AGCACCTGAGGAAGACAGTGGGCGCTTACAGATGTTTCAT 703  
DB 694 AGCACCTGAGGAAGACAGTGGGCGCTTACAGATGTTTCAT 733

## RESULT 9

US-09-981-353-42  
; Sequence 42, Application US/09981353  
; Patent No. US20020160382A1  
; GENERAL INFORMATION:  
; APPLICANT: Lasek, Amy W.  
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER  
; FILE REFERENCE: PA-0038 US  
; CURRENT APPLICATION NUMBER: US/09/981,353  
; CURRENT FILING DATE: 2001-10-11  
; NUMBER OF SEQ ID NOS: 194  
; SOFTWARE: PERL Program  
; SEQ ID NO 42  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1401116.1  
US-09-981-353-42

Query Match 71.1%; Score 501.6; DB 9; Length 830;  
Best Local Similarity 87.9%; Pred. No. 1.5e-143;  
Matches 559; Conservative 0; Mismatches 74; Indels 3; Gaps 1;  
QY 71 TGACTCAGCCACCTCGGTGTCAAGTGTCCCGGACAGACGGCCAGGATCACCTGTGGGG 130  
DB 82 TGACTCAGCCACCTCGGTGTCAAGTGTCCCGGACAGACGGCCAGGATCACCTATTGTGGGG 141  
QY 131 GAGACACAGTGAAGTGAATATGTCACCTGGTACAGACAGACCGCGCGGCCCTTA 190  
DB 142 GACACACAGTGGAAAGTTATAGTGTCACTGGTACCAACAGACCGCGCGGCCCTGT 201  
QY 191 TACTGGTCATCTATGATGATGACCGGCCCTCAGGGATCCCTGAGCGATTCTCTGGCT 250  
DB 202 TCTTGGTCATCTAAGCATGACGACCGGCCCTCAGGGATCTCTGAGCGATTCTCGGCT 261  
QY 251 CCAATCAGGGAACACCGCCACCTGACCATCAACGGGGTTCGAGGCCCGGGGATGAGGCTG 310

DB 262 CCAATTCCTGGGACACCGCCACCTGACCATCAGCAGGTCGAAGTCGGGATGAGGCG 321  
QY 311 ACTATTACTGTGAGGTGGGACAGGGCTAGTGAATCATCC---GGTCTTCGAGAGGGA 367  
DB 322 ACTATTACTGTGACCTGTGGCATAGTGTAGTAATCTCTTATGTCTCGGACTGGGA 381  
QY 368 CCGCGGTGACCGTCTTAGGTGAGCCCAAGGCTGCCCTCGGTCACTCTGTTCCGCGCT 427  
DB 382 CGACGGTCACCGTCTCGGTGAGCCCAAGGCAACCCCACTGTCACTCTGTTCCGCGCT 441  
QY 428 CCTCTGAGAGCTTCAAGCCCAAGGCACTAGTGTGTCTCATAGTGAATTC 487  
DB 442 CCTCTGAGAGCTTCAAGCCCAAGGCACTAGTGTGTCTCATAGTGAATTC 501  
QY 488 CGGAGCGCTGACAGTGGGCTGGAAGGCGAGATAGCAGCCCGGTCAAGGGCGGAGTGA 547  
DB 502 CGGAGCTGTGACAGTGGGCTGGAAGGCGAGATAGCAGCCCGGTCAAGGGCGGAGTGA 561  
QY 548 CCACACACCTCCAAACAAAGCAACAAGTACGGGCGGCGAGCTACCTGAGCCTGA 607  
DB 562 CCACCAACCTCCAAACAGAGCAACAAGTACGGGCGGCGAGCTACCTGAGCCTGA 621  
QY 608 CGCCTGAGCAGTGGAGTCCACAGAGCTACAGCTGCCAGGTCAAGCATGAAGGGAGCA 667  
DB 622 CGCCCGAGCAGTGGAGTCCACAGAGCTACAGCTGCCAGGTCAAGCATGAAGGGAGCA 681  
QY 668 CCGTGGAGAGACAGTGGGCGCTTACAGATGTTTCAT 703  
DB 682 CCGTGGAGAGACAGTGGGCGCTTACAGATGTTTCAT 717

## RESULT 10

US-09-981-353-55  
; Sequence 55, Application US/09981353  
; Patent No. US20020160382A1  
; GENERAL INFORMATION:  
; APPLICANT: Lasek, Amy W.  
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER  
; FILE REFERENCE: PA-0038 US  
; CURRENT APPLICATION NUMBER: US/09/981,353  
; CURRENT FILING DATE: 2001-10-11  
; NUMBER OF SEQ ID NOS: 194  
; SOFTWARE: PERL Program  
; SEQ ID NO 55  
; LENGTH: 846  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1400916.1  
US-09-981-353-55

Query Match 69.3%; Score 488.6; DB 9; Length 846;  
Best Local Similarity 81.9%; Pred. No. 1.4e-139;  
Matches 576; Conservative 0; Mismatches 124; Indels 3; Gaps 1;  
QY 4 AGGTGCCCCGTGACGTCTCTGGGGCTCTGTGTCTGTGCTCTCCAGGTGCACGATGTGCC 63  
DB 21 ATGGCTTGAGACCCCTCTCTGCTCTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 80  
QY 64 TATGAACGTGACTCAGCACCTCGGTGTCAAGTGTCCCGGACAGACCGCGCGGATCACC 123  
DB 81 TATGAGCTGACACACCCCTCGGTGTCCGTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 140  
QY 124 TGTGGGGAGCAACAGTAGAATATATGTCCATCGTGTACCGAGCAAGCGCGCGG 183  
DB 141 TGCTCTGGAGAGCGCATTCGCAAAATAATATGCAATTTGGTTCCAGCAGAGTCAAGGCGAG 200  
QY 184 GCGCCTATCTGCTCATCTATGATGATGACCGGCCCTCAGGGATCCCTCAGGCGATTTC 243  
DB 201 GCGCCTTGTCTGCTCATCTATGAGGACATTAGACGACATTCGCGGATCCCTGAGAGATTT 260



Qy	244	TCTGGCTCCAATCAGGGAACACCGCCACCTGACCATCAACGGGTTCGAGGCCGGGAT	303
Db	261	TCTGGTCCAGCTCAGGGACAATGCCACATTGACCATCAGCGGGCCAGGTGHCAGAT	320
Qy	304	GAGCGTACHTATTACTGTCAAGTGTGGG---ACAGGGCTAGTGATCATCCGCTTTCGGA	360
Db	321	GAAGCTGTCTACTATTGTATTCAACAGACAACAGTGGAAATTCACAAAGGCTGTTCCGC	380
Qy	361	GGAGGGACCGGGTGACCGTCTTAGGTTCAGCCCAAGSGTCGCCCTTCGCTCACTCTGTC	420
Db	381	GGAGGGACCAAGCTGACCGTCTTAGGCCAGCCAGGGCTGCCCTTCGGTCACTCTGTC	440
Qy	421	CCGCCCTCTCTGAGGAGCTTCAAGCCACAAGGCCACACTGGTGTGTCTATAAGTGAC	480
Db	441	CCGCCCTCTCTGAGGAGCTTCAAGCCACAAGGCCACACTGGTGTGTCTATAAGTGAC	500
Qy	481	TTCTACCCGGGAGCCGTGACAGTGGCTGGAAGGCAGATAGCAGCCCGTCAAGCGCGGA	540
Db	501	TTCTACCCGGGAGCCGTGACAGTGGCTGGAAGGCAGATAGCAGCCCGTCAAGCGCGGA	560
Qy	541	GTGGAGACACACACACCTTCCAAACAAGCAACAAGTACCGGCCGACGAGCTACCTG	600
Db	561	GTGGAGACCAACACACCTTCCAAACAAGCAACAAGTACCGGCCGACGAGCTATCTG	620
Qy	601	AGCTTCAGCGCTGAGCAGTGGGAAGTCCCAAGAGCTACAGCTGCCAGGTCAAGCAGTAA	660
Db	621	AGCTTCAGCGCTGAGCAGTGGGAAGTCCCAAGAGCTACAGCTGCCAGGTCAAGCAGTAA	680
Qy	661	GGAGACACCGTGAGAGACAGTGGGCCCTTACAGAAATGTTTAT	703
Db	681	GGAGACACCGTGAGAGACAGTGGGCCCTTACAGAAATGTTTAT	723

**RESULT 11**

```

US-09-981-353-146
; Sequence 146, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 146
; LENGTH: 1480
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1329606.3
; NAME/KEY: unsure
; LOCATION: 134, 198, 206
; OTHER INFORMATION: a, t, c, g, or other
US-09-981-353-146

```

Query Match 69.1%; Score 487; DB 9; Length 1480;  
Best Local Similarity 87.5%; Pred. NO. 4.9e-139;  
Matches 567; Conservative 0; Mismatches 73; Indels 8; Gaps 3;

62	QY	CCTATGA	CTGACTCAGCCAC	CCTCGGTGTCAGTGT	CCCCAGGACAGCGGCAGGATCA	121
11	Db	CCTATGTG	TGTAATCAGCCAC	CTTCGGTGT	CAGTGGCCCCAGGACAGCGGCACGACTTA	70
122	QY	CTCTGGGGG	GACACAACAGTACGAAT	TGATATGTC	CTGTTACCAAGCAGAACCCAGCGC	181
71	Db	CCTGTGGGG	GAATTAATTGAA	GTAAAGTGT	CCACTGGTACCAGAGAAGCCAGGCC	130
182	QY	GGGCCCTT	ACTGTCATCTAT	TGATATGATAGT	AGTGAACCGGCCCTCAGGGATCCCTGAGCGAT	241

Db	131	AGGCCCTGTCTCTGGTCTGTCTATCTTTGTATGACGACCGGCCCTCAGGGATCCCTGCACCGAT	190
Qy	242	TCTCTGGCTCCAAATCAGGGAACAACGCCACCCCTGCACCATCAACAGGGGTGCGAGGCCGGG	301
Db	191	TCTCTGGNTCCAACTNTGGGAAACAGGGCACCCCTGACCATCAGC-AGGTGGAAGTCGGGG	249
Qy	302	ATGAGGCTGACTATTACTGTCAAGTGTGGACAGGGCTAGTGATCATCCGG-----TCT	355
Db	250	ATGA-GCCGACTATTTCTGTACGTGTGGGATGGCTTGGGATTCTCTGTGTCTTCT	308
Qy	356	TCGAGGAGGAGACCCGGGTACCGTCTCTAGGTGAGCCCAAGCGTCCGCCCTCGGTCACTC	415
Db	309	TCGACCTGGACCTGGGTGAGGTCTTAGTTCAGCCCAAGGCCAACCCCATCTGTCACTC	368
Qy	416	TGTTCCGCCCTCTCTGTGAGGAGCTTTCAAGCCAAAGGCCACACTGGTGTGTCTCATAA	475
Db	369	TGTTCCGCCCTCTCTGTGAGGAGCTCCAAAGCCAAAGGCCACACTAGTGTGTCTGTATCA	428
Qy	476	GTGACTTTCTACCCGGGAGCCGTGACAGTGGCTTGGGAAGCAGATAGCACCCCGTCAAGG	535
Db	429	GTGACTTCTACCCGGGAGCTGTGACAGTGGCTTGGGAAGCAGATGGCAGCCCGCTCAAGG	488
Qy	536	CGGAGTGGAGACCAACAACCTCTCAAAACAAAGCAACAACAGTACCGGGCCAGCAGCT	595
Db	489	CGGAGTGGAGACCAACAAACCTCTCAAAACAGAGCAACAACAAGTACCGGGCCAGCAGCT	548
Qy	596	ACCTGAGCCTGAGCCTGTGAGCAGTGGAGTGTCCACAGAGCTACAGCTGCCAGGTCAAGC	655
Db	549	ACCTGAGCCTGAGCCTCCGAGCAGTGGAGTGTCCACAGAGCTACAGCTGCCAGGTCAAGC	608
Qy	656	ATGAGGAGGACCCGTGGAGAGACAGTGGGCCCTTACAGAAATGTTTCAT	703
Db	609	ATGAGGAGGACCCGTGGAGAGACAGTGGGCCCTTACAGAAATGTTTCAT	656

RESULT 12

```

US-09-822-849A-158
; Sequence 158, Application US/09822849A
; Patent No. US20020045170A1
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fecht, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakar
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES EN
; FILE REFERENCE: GIN 6403
; CURRENT APPLICATION NUMBER: US/09/822,
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/195,582
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 598
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 158
; LENGTH: 857
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-849A-158

```

Query Match 67.2%; Score 473.8; DB 10; Length 857;  
Best Local Similarity 83.3%; Pred. No. 4.7e-135;  
Matches 554; Conservative 0; Mismatches 102; Indels 9; Gaps 1;

Qy 48 AGGTGACGATGTGCCCTATGAACCTGACTCAGCCACCCTCGGTGTGCTAGTGTCCCGAGACA 107  
|||  
Db 54 AGGTTCTGTGGTTTCTTGAGCTGACTCAGACCCTGCTGTGCTGTGGCTTGGGACA 113  
|||  
Qy 108 GACGGCCAGATCACTGTGTGGGGAGACAACAGTAGAAATGAATATGTCCACTGTGTACCA 167  
|||

Db 114 CACAGTCAGGATCACATCCGAGGAGACAGCCCTCGAAAGTATTATACAAATTTGGTACCA 173  
Qy 168 CGAAGACCGCGCGGCCCCCTATCTGGTCTATGATGATA-----GTGACCG 218  
Db 174 ACTGAAGCAGGACAGCGGCCCTCTCTGTCTAGCTATGTTAAAAACAACCGGCAACAACCG 233  
Qy 219 GCGCTCAGGGATCCCTGAGCGATTCTCTGGCTCCAAATCAGGGAACACCGCCACCCCTGAC 278  
Db 234 GCGCTCAGGATCCCAAGACGATCTCTGGCTCCACTTCAGGAACACAGCTTCTCTTAC 293  
Qy 279 CATCAACCGGCTCGAGCGGGGATGAGGCTGACTATTTACTCTAGGTGTGGGACAGGCG 338  
Db 294 CATCACTGGGCTCAGGTTGAAGATGAGTCTGACTTTTACTGTAGTTCCCGGACAGCAG 353  
Qy 339 TAGTCATCATCCGCTCTCGGAGGAGGACCGGGTGACCGTCTAGGTCAGCCCAAGGC 398  
Db 354 TGGTAAAAATTGGGTGTTTCGGCGGTGGGACCAAGCTGACCGTCTTAAGTCAGCCCAAGGC 413  
Qy 399 TGCCCCCTCGGTCACTCTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCCAAAGGCCAC 458  
Db 414 TGCCCCCTCGGTCACTCTGTTCCCAACCTCTCTGAGGAGCTTCAAGCCAAAGGCCAC 473  
Qy 459 ACTGTGTGTCTCATAGTACTTACCCGGGAGCCGTGACAGTGGCTGGAAGGCAGA 518  
Db 474 ACTGTGTGTCTCATAGTACTTACCCGGGAGCCGTGACAGTGGCTGGAAGGCAGA 533  
Qy 519 TAGCAGCCCGCTCAAGCGGGAGTGAGACCAACACACCCCTCCAAACAAAGCAACAA 578  
Db 534 TAGCAGCCCGCTCAAGCGGGAGTGAGACCAACACACCCCTCCAAACAAAGCAACAA 593  
Qy 579 GTACCGGCGCAGCAGTACTGAGCCTGAGCCTGAGCAGTGGAGTCCACAGAAGCTA 638  
Db 594 GTACCGGCGCAGCAGTACTGAGCCTGAGCCTGAGCAGTGGAGTCCACAGAAGCTA 653  
Qy 639 CAGTCCAGGTCACCATGAAGGAGGACCCGTGGGAGAGACAGTGGCCCTACAGAATG 698  
Db 654 CAGTCCAGGTCACCATGAAGGAGGACCCGTGGGAGAGACAGTGGCCCTACAGAATG 713  
Qy 699 TTCAAT 703  
Db 714 TTCAAT 718

RESULT 13  
US-09-747-669-4  
; Sequence 4, Application US/09747669  
; Patent No. US20020122807A1  
; GENERAL INFORMATION:  
; APPLICANT: Dan, Michael D.  
; APPLICANT: Saleh, Mansoor  
; TITLE OF INVENTION: ANTIGEN BINDING FRAGMENTS, DESIGNATED  
; TITLE OF INVENTION: 4B5 THAT SPECIFICALLY DETECT CANCER CELLS, NUCLEOTIDES  
; TITLE OF INVENTION: ENCODING THE FRAGMENTS, AND USE THEREOF FOR THE PROPHYLAXIS  
; TITLE OF INVENTION: AND DETECTION OF CANCERS  
; FILE REFERENCE: 316082001001  
; CURRENT APPLICATION NUMBER: US/09/747,669  
; PRIOR FILING DATE: 2002-04-08  
; PRIOR FILING DATE: 1998-07-07  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 768  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic construct  
US-09-747-669-4

Query Match 67.0%; Score 472; DB 10; Length 768;  
Best Local Similarity 84.4%; Pred. No. 1.6e-134;  
Matches 545; Conservative 0; Mismatches 95; Indels 6; Gaps 1;

Qy 64 TATGAATGACTACAGCCACCCCTCGGTGTGTCAGTGTCCCGAGGACAGACCGCCAGGATCACC 123  
Db 79 TCTGTGCTGACTCAGCCACCCCTCAGCGTCTGGGACCCCGGCGAGAGGTTCACCATCTCT 138  
Qy 124 TGTGGGGAGACACAGTA-----GAATGAATATGTCCACTGTGTACCAGCAGAAGCCA 177  
Db 139 TGTCTGGAAGCAATCCCAACATCGAAAGTAGACTGTAACTGTATCCAGCACTCCCA 198  
Qy 178 GCGCGGGCCCTTATCTGCTCATCTATGATGATGATGACCGGCCCTCAGGGATCCCTGAG 237  
Db 199 GGAACGGCCCCCAATTTCTCATCTATAGTAAATCAGCGGCCCTCAGGGGTCCCTGAC 258  
Qy 238 GCAATCTCTGGTCCAAATCAGGGAACACCGCCACCTGACCATCAACGGGGTCGAGGCC 297  
Db 259 GCAATCTCTGGTCCAAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTCCAGTCT 318  
Qy 298 GGGGATGAGGCTGACTATTACTGTGAGGTGTGGGACAGGGCTAGTGATCATCCGGTCTTTC 357  
Db 319 GAGGATGAGGCTGATTTACTGTGAGCATGGGATGACAGCTGATGTTGGGTGTTTC 378  
Qy 358 GGAGGAGGACCCGGGTGACCGTCTTAGGTGAGCCCAAGGCTGCCCCCTCGGTCACTCTG 417  
Db 379 GCGGAGGAGGACCAAGCTGACCGTCTGGGTGAGCCCAAGGCTGCCCCCTCGGTCACTCTG 438  
Qy 418 TTCCCGCCCTCTCTGAGGAGCTTCAAGCCAAAGGCCACACTGGTGTCTCATAAAGT 477  
Db 439 TTCCCGCCCTCTCTGAGGAGCTTCAAGCCAAAGGCCACACTGGTGTCTCATAAAGT 498  
Qy 478 GACTTCTACCCGGGAGCGGTGACAGTGGGCTGGAAGGCAGATAGACAGCCCGCTCAAGCG 537  
Db 499 GACTTCTACCCGGGAGCGGTGACAGTGGGCTGGAAGGCAGATAGACAGCCCGCTCAAGCG 558  
Qy 538 GGAGTGGAGACCAACCAACCCCTCCAAACAAAGCAACAAAGTACGCGGCCAGCAGCTAC 597  
Db 559 GGAGTGGAGACCAACCAACCCCTCCAAACAAAGCAACAAAGTACGCGGCCAGCAGCTAC 618  
Qy 598 CTGAGCCTCAGCCTCAGCAGTGGAGTCCCAAGAGTCCCAAGAGCTACAGCTGCAGGTCAAGCAT 657  
Db 619 CTGAGCCTCAGCCTCAGCAGTGGAGTCCCAAGAGTCCCAAGAGCTACAGCTGCAGGTCAAGCAT 678  
Qy 658 GAAGGAGCACCGTGGAGAGACAGTGGGCCCCCTACAGAATGTTTCAT 703  
Db 679 GAAGGAGCACCGTGGAGAGACAGTGGGCCCCCTACAGAATGTTTCAT 724

RESULT 14  
US-09-747-669-5/c  
; Sequence 5, Application US/09747669  
; Patent No. US20020122807A1  
; GENERAL INFORMATION:  
; APPLICANT: Dan, Michael D.  
; APPLICANT: Saleh, Mansoor  
; TITLE OF INVENTION: ANTIGEN BINDING FRAGMENTS, DESIGNATED  
; TITLE OF INVENTION: 4B5 THAT SPECIFICALLY DETECT CANCER CELLS, NUCLEOTIDES  
; TITLE OF INVENTION: ENCODING THE FRAGMENTS, AND USE THEREOF FOR THE PROPHYLAXIS  
; TITLE OF INVENTION: AND DETECTION OF CANCERS  
; FILE REFERENCE: 316082001001  
; CURRENT APPLICATION NUMBER: US/09/747,669  
; PRIOR FILING DATE: 2002-04-08  
; PRIOR FILING DATE: 1998-07-07  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 768  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic construct  
US-09-747-669-5

Query Match 67.0%; Score 472; DB 10; Length 768;  
Best Local Similarity 84.4%; Pred. No. 1.6e-134;

Matches	545;	Conservative	0;	Mismatches	95;	Indels	6;	Gaps	1;
Qy	64	TATGAAC	TGACTCAGCCAC	CCCTCGGTGT	CAGTGTCC	CCAGGAC	ACAGCGCC	CAGGATCA	CC 123
Db	690	TCGTGCT	TGACTCAGCCAC	CCCTCGG	GTCTGG	ACACCC	CCCGG	CAGGGTCA	CTCT 631
Qy	124	TGTGGG	GAGACAA	CAGTA-----	GAATGA	TATGTCC	ACTGGTACC	CAGCAAGCCA	177
Db	630	TGTTCT	GGAAGCACT	CCCAAC	ATCGGA	GTAAAG	CTGTAA	CTGGTAC	CAACACTCCA 571
Qy	178	GCGCGG	CCCCCTAT	ACTGGT	CACTCAT	TATGAT	GATGAC	CGCGCC	CTCAGGGATCCCTTGAG 237
Db	570	GGAA	CGGCCCCA	ATTTCT	CATCTAT	TATGAT	TATCAG	CGGCCCTC	AGGGTCCCTTGAC 511
Qy	238	CGATTCT	CTGGTCC	AAATC	ATGAGGA	ACAC	CGCCAC	CTTGAC	CAATCAACGGGGTCGAGGCC 297
Db	510	CGATTCT	CTGGCTCA	AGCTCG	GCACCT	TCAG	CCCTCC	TGGCCAT	CAGTGGGCTCCAGTCT 451
Qy	298	GGGATG	AGGCTG	ACTATT	CTGT	CAGGTG	GGAC	AGGGCT	AGTGTGATCATCCGGTCTTC 357
Db	450	GAGGAT	GAGGCT	GATTAT	TACT	TGTG	CAGCAT	TGGATG	ACGCTGTAATGGTTGGGTGTC 391
Qy	358	GGAGAG	GGGAC	CCGGTG	ACCGT	CCTAG	GTGAG	CCCCAAG	GGTGCGCCCTCGGTCACTCTG 417
Db	390	GGCGAG	GGGAC	CAAGCT	CAGCGT	CTCG	GGTCAG	CCCCAAG	GTGCCCCCTCGGTCACTCTG 331
Qy	418	TTCCGC	CCCTCCT	CTGAGG	AGCTT	CAAG	CCAA	CAGGCC	CACTGGTGTGTCTCATAGT 477
Db	330	TTCCGC	CCCTCCT	CTGAGG	AGCTT	CAAG	CCAA	CAGGCC	CACTGGTGTGTCTCATAGT 271
Qy	478	GACTTCT	ACCGGG	AGCGTG	ACAGT	GGCCTG	GGAAG	GCAGAT	AGCAGCCCCGTCAAGGCG 537
Db	270	GACTTCT	ACCGGG	AGCGTG	ACAGT	GGCCTG	GGAAG	GCAGAT	AGCAGCCCCGTCAAGGCG 211
Qy	538	GGAGT	GAGAC	CCAC	CAC	CCCTC	CAAA	CAAA	GCACAAACAGTACGGCGCAGCGACTAC 597
Db	210	GGAGT	GAGAC	CCAC	CAC	CCCTC	CAAA	CAAA	GCACAAACAGTACGGCGCAGCGACTAC 151
Qy	598	CTGAG	CTTG	ACGCTG	ACG	AGTGA	AGTCC	CA	AGAGAGTCTACAGCTGCCAGGTACGCAT 657
Db	150	CTGAG	CTTG	ACGCTG	ACG	AGTGA	AGTCC	CA	AGAGAGTCTACAGCTGCCAGGTACGCAT 91
Qy	658	GAACGG	AGAC	CCGTGG	AG	AAGAC	AGTGG	CGCCCT	TACAGAATGTTCAAT 703
Db	90	GAACGG	AGAC	CCGTGG	AG	AAGAC	AGTGG	CGCCCT	TACAGAATGTTCAAT 45

```

; PRIOR APPLICATION NUMBER: 09/598,042
; PRIOR FILING DATE: 2000-06-20
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 331
; SOFTWARE: pt_Fl_genes Version 1.0
; SEQ ID NO 316
; LENGTH: 826
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (97)..(804)
; US-10-098-841-316

```

Search completed: April 6, 2003, 12:53:02  
Job time : 74.8695 secs

QY 477 GGCACCTCTCTCAAGAGCACTCTGGGGGACAGCGGCCCTGGCTCGCTGGTCAAGA 536  
Db 547 GGCACCTCTCTCAAGAGCACTCTGGGGGACAGCGGCCCTGGCTCGCTGGTCAAGA 606  
QY 537 CTACTTCCCGAACCAGGTGTCGTGGAACTCAGCGGCCCTGACAGCGGCTGCA 596  
Db 607 CTACTTCCCGAACCAGGTGTCGTGGAACTCAGCGGCCCTGACAGCGGCTGCA 666  
QY 597 CACTTTCCTCCGCTGCTACAGTCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTACCGT 656  
Db 667 CACTTTCCTCCGCTGCTACAGTCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTACCGT 726  
QY 657 GCCCTCCAGCAGCTGGGACCCAGACCTACATCTGCAACGTGAATCAAGGCCAGCAA 716  
Db 727 GCCCTCCAGCAGCTGGGACCCAGACCTACATCTGCAACGTGAATCAAGGCCAGCAA 786  
QY 717 CACCAAGGTGCAAGAAAGCAGAGCCCAAAATCTTGTGACAAAACCTACACATGCCAC 776  
Db 787 CACCAAGGTGCAAGAAAGCAGAGCTTGAAGCCCAAAATCTTGTGACAAAACCTACACATGCCAC 846  
QY 777 GTGCCAGCACTGAATCTCT- GGGGGACCGTCAAGTCTTCTCTTCCCTCCCAAAACCCA 835  
Db 847 GTGCCAGCACTGAATCTCTGGGGGACCGTCAAGTCTTCTCTTCCCTCCCAAAACCCA 906  
QY 836 AGGACACCTCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGTGACGTGAGCC 895  
Db 907 AGGACACCTCATGATCTCCCGGACCCCTGAGGTACATGCGTGGTGTGACGTGAGCC 966  
QY 896 ACGAAGACCTTGAAGTCAAGTTCAACTGCTAGTGGACGGCGTGGAGGTGATATGCA 955  
Db 967 ACGAAGACCTTGAAGTCAAGTTCAACTGCTAGTGGACGGCGTGGAGGTGATATGCA 1026  
QY 956 AGACAAAGCCCGGAGGAGCAGTACAAACAGCAGTACCGTGGTCAAGCGTCTCTCACCG 1015  
Db 1027 AGACAAAGCCCGGAGGAGCAGTACAAACAGCAGTACCGTGGTCAAGCGTCTCTCACCG 1086  
QY 1016 TCCTGCAACAGGACTGGCTGAATGGCAAGAGTACAGTGAAGTCTTCAAAAGGCC 1075  
Db 1087 TCCTGCAACAGGACTGGCTGAATGGCAAGAGTACAGTGAAGTCTTCAAAAGGCC 1146  
QY 1076 TCCAGAGCCCTCATGAGAAAACCATCTCAAAGCCAAAGGCGAGCCCGAGAACACAGG 1135  
Db 1147 TCCAGAGCCCTCATGAGAAAACCATCTCAAAGCCAAAGGCGAGCCCGAGAACACAGG 1206  
QY 1136 TGTACACCTCTCCCTCATCTCCGGATGAGCTGACAAAGAACAGGTGACCTGACCTGCC 1195  
Db 1207 TGTACACCTCTCCCTCATCTCCGGATGAGTGAACAAAGAACAGGTGACCTGACCTGCC 1266  
QY 1196 TGTCAAGGCTTCTATCCAGCGACATCCGCGTGGAGTGGAGAGCAATGGGACGCGG 1255  
Db 1267 TGTCAAGGCTTCTATCCAGCGACATCCGCGTGGAGTGGAGAGCAATGGGACGCGG 1326  
QY 1256 AGAACAACTACAGACCAAGCCTCCCGTCTGGACTCCGAGGCTCTCTTCTCTCTACA 1315  
Db 1327 AGAACAACTACAGACCAAGCCTCCCGTCTGGACTCCGAGGCTCTCTTCTCTCTATA 1386  
QY 1316 GCAAGCTCACCGTGGACAAAGCAGGTGGACAGGGAAGCTCTTCTCATGCTCCGTTGA 1375  
Db 1387 GCAAGCTCACCGTGGACAAAGCAGGTGGACAGGGAAGCTCTTCTCATGCTCCGTTGA 1446  
QY 1376 TGCATGAGGCTCTGCACAAACCACTACAGCAGAGAGGCTCTCCCTGTCTCCGGGTAAAT 1435  
Db 1447 TGCATGAGGCTCTGCACAAACCACTACAGCAGAGAGGCTCTCCCTGTCTCCGGGTAAAT 1506  
QY 1436 GA 1437  
Db 1507 GA 1508

RESULT 15

US-09-822-698A-27

; Sequence 27, Application US/09822698A

; Patent No. US20020146750A1

## ; GENERAL INFORMATION:

; APPLICANT: Hoogenboom, Hendricus R.J.M.

; APPLICANT: Hendrikx, Maria P.G.

; TITLE OF INVENTION: MUCIN-1 Specific Binding Members and Methods of Use Thereof

; FILE REFERENCE: DX-015.1 US

; CURRENT APPLICATION NUMBER: US/09/822,698A

; CURRENT FILING DATE: 2001-03-30

; PRIOR APPLICATION NUMBER: US 09/538,913

; PRIOR FILING DATE: 2000-03-30

; NUMBER OF SEQ ID NOS: 112

; SOFTWARE: Microsoft Word

; SEQ ID NO 27

; LENGTH: 1356

; TYPE: DNA

; ORGANISM: artificial sequence

; FEATURE:

; OTHER INFORMATION: nucleotide sequence coding for amino acid sequence of

; OTHER INFORMATION: SEQ ID NO:26

US-09-822-698A-27

Query Match

Best Local Similarity 79.4%; Score 1141.4; DB 10; Length 1356;

Matches 1249; Conservative 0; Mismatches 106; Indels 24; Gaps 2;

QY 59 AGGTGCAACTGGTGGAGTCTGGGGAGGCTTGGTCCAGCCTGGCGGTCCTCGAGAGTCT 118

Db 2 AGGTCCAGCTGGTGCAGTCTGGGGAGGCTTGGTACAGCCTGGGGGTCCTCGAGACTCT 61

QY 119 CTTGTGAGTCTCTGGATTACCTTCAGTGACCACCTACATGATTTGGTTCGCCAGGCTC 178

Db 62 CTTGTGAGCCTCTGGATTACCTTCAGTTAAGTAACGCCATGGCTGGGTTCGCCAGGCTC 121

QY 179 CAGGAAGGGGCGGAATGGGTAGTCTTATTAGAAAACAAACCGATGGGTGGGACAAACAG 238

Db 122 CAGGAAGGGGCTGGAGTGGTCTCAGGTATTAG-----TGGTAGTGGTGCCACACAT 175

QY 239 AATACGGCGCTGTGTGAAGACAGATTACCATCTCCAGAGATGATTTCAAAGCATCG 298

Db 176 ACTACGCAGACTCCGTGAAGGCGGTTTACCATCTCCAGAGACAAATTCGAAGACACGC 235

QY 299 CCTATCTGCAATGAGCAGCCTGAAATCGAGGACAGCGGCTCTATTACTGTACTACAT 358

Db 236 TGTATCTGCAATGAGCAGCCTGAAATCGAGGACAGCGGCTCTATTATTGTGCGAAA- 294

QY 359 CCTACATTTACATTTGTCGGGTGGTGTCTCTATGAGAGTTACTTCGAATTTCTGGGCG 418

Db 295 -----CATACCGGGGGGGCGTTTGGGACCCCATTTACTACTTGGGCGC 337

QY 419 AGGCGCGCTGGTCAACCGTCTCTCAGCTAGCACAAAGGGCCCATTCGGTCTTTCCCGCTGG 478

Db 338 AGGGAACCTGGTCAACCGTCTCTCAGCGCTTCAAGCGCTTCAAGGGGCCATCGGCTCTTCCCGCTGG 397

QY 479 CACCTCTCCAGAGCAGCCTCTGGGGGACAGCGGCCCTGGCTGGCTGGTCAAGGACT 538

Db 398 CACCTCTCCAGAGCAGCCTCTGGGGGACAGCGGCCCTGGCTGGCTGGTCAAGGACT 457

QY 539 ACTTCCCGGAACCGGTGTCGGTGAACCTCAGGCGCCCTGACACGCGCGGTGCACA 598

Db 458 ACTTCCCGGAACCGGTGTCGGTGAACCTCAGGCGCCCTGACACGCGCGGTGCACA 517

QY 599 CTTTCCCGGTGTCTTCAAGTCTCAGGACTCTACTCCCTCAGCAGCGTGGTGAACCGTGC 658

Db 518 CTTTCCCGGTGTCTTCAAGTCTCAGGACTCTACTCCCTCAGCAGCGTGGTGAACCGTGC 577

QY 659 CTTCCAGAGCTTGGGACCCAGACCTACATCTGCAAGTGAATCAGAGGCCAGCAACA 718

Db 578 CTTCCAGAGCTTGGGACCCAGACCTACATCTGCAAGTGAATCAGAGGCCAGCAACA 637

QY 719 CCAAGGTGGACAAAGAAAGCAGAGCCCAAAATCTTGTGACAAAACCTCACACATGCCACCGT 778

Db 638 CCAAGGTGGACAAAGAAAGTGGAGCCCAAAATCTTGTGACAAAACCTCACACATGCCACCGT 697

QY 779 GCCCAGCAGCTGAACTCCTCGGGGGGACCGTACGTCTTCTTCTTCCCGCCCAAAACCAAGG 838

[illegible]

Search completed: April 6, 2003, 12:53:13  
Job time : 152.491 secs

GenCore version 5.1.3  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 6, 2003, 01:56:24 ; Search time 73.3986 Seconds  
(without alignments)  
8604.535 Million cell updates/sec

Title: US-09-758-173-5  
Perfect score: 720  
Sequence: 1 ATGAGCTCCTCTCAGCT.....TCAACAGGGAGAGTGTTGA 720

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438583890 residues  
Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA:\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*
- 12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*
- 13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES									
Result No.	%			Query		Description			
	Score	Match	Length	DB	ID				
1	720	100.0	720	9	US-10-124-905-5	Sequence 5, Appl			
2	720	100.0	720	9	US-09-948-429B-5	Sequence 5, Appl			
3	720	100.0	720	9	US-10-073-138-3	Sequence 3, Appl			
4	588.4	81.7	968	9	US-09-924-340-7	Sequence 7, Appl			
5	588.4	81.7	968	9	US-09-992-600A-7	Sequence 7, Appl			
6	533	74.0	663	10	US-09-822-698A-25	Sequence 25, Appl			
7	520.6	72.3	799	9	US-09-909-567B-14	Sequence 14, Appl			
8	519.2	72.1	729	9	US-09-726-258-41	Sequence 41, Appl			
9	497	69.0	1033	10	US-09-799-514-2	Sequence 2, Appl			
10	479.2	66.6	913	10	US-09-822-830A-531	Sequence 531, Appl			
11	473.2	65.7	974	10	US-09-859-053-29	Sequence 29, Appl			
12	472.6	65.6	948	10	US-09-859-053-33	Sequence 33, Appl			
13	471	65.4	970	10	US-09-859-053-37	Sequence 37, Appl			
14	468.8	65.1	705	10	US-09-740-002-16	Sequence 16, Appl			
15	468	65.0	990	10	US-09-800-729-79	Sequence 79, Appl			
16	457.2	63.5	762	12	US-10-066-895-29	Sequence 29, Appl			
17	456.8	63.4	780	9	US-09-726-258-54	Sequence 54, Appl			
18	456.8	63.4	780	9	US-09-726-258-65	Sequence 65, Appl			
19	456.4	63.4	1244	10	US-09-954-456-771	Sequence 771, Appl			

20	456	63.3	708	10	US-09-740-002-18	Sequence 18, Appl
21	455.8	63.3	9511	10	US-09-897-006-34	Sequence 34, Appl
22	455.6	63.3	732	12	US-10-066-895-22	Sequence 22, Appl
23	455.2	63.2	660	10	US-09-995-693-3	Sequence 3, Appl
24	455.2	63.2	780	9	US-09-726-258-58	Sequence 58, Appl
25	455.2	63.2	6563	9	US-09-726-258-61	Sequence 61, Appl
26	455.2	63.2	8120	9	US-09-726-258-68	Sequence 68, Appl
27	454	63.1	941	10	US-09-800-729-81	Sequence 81, Appl
28	449.8	62.5	721	10	US-09-825-012-7	Sequence 7, Appl
29	449.8	62.5	726	9	US-09-479-614-23	Sequence 23, Appl
C	30	449.8	726	9	US-09-479-614-24	Sequence 24, Appl
31	449.8	62.5	730	10	US-09-825-012-8	Sequence 8, Appl
32	449.8	62.5	954	9	US-09-479-614-19	Sequence 19, Appl
C	33	449.8	954	9	US-09-479-614-21	Sequence 21, Appl
34	447.6	62.2	711	9	US-10-006-593-70	Sequence 70, Appl
35	446.4	62.0	9209	9	US-09-911-703-3	Sequence 3, Appl
36	446.4	62.0	18986	9	US-10-109-853-2	Sequence 2, Appl
37	444.8	61.8	9209	9	US-09-905-928-2	Sequence 2, Appl
38	440.8	61.2	6127	10	US-09-920-171-1	Sequence 1, Appl
39	439	61.0	728	9	US-10-040-244-15	Sequence 15, Appl
40	439	61.0	728	10	US-09-844-684-15	Sequence 15, Appl
41	437.8	60.8	654	10	US-09-917-410-1	Sequence 1, Appl
42	437.4	60.7	716	9	US-10-040-244-13	Sequence 13, Appl
43	437.4	60.7	716	10	US-09-844-684-13	Sequence 13, Appl
44	437.4	60.7	2059	9	US-09-807-721-1	Sequence 1, Appl
45	437.2	60.7	646	9	US-10-006-593-55	Sequence 55, Appl

## ALIGNMENTS

RESULT 1  
US-10-124-905-5  
; Sequence 5, Application US/10124905  
; Patent No. US20020166136A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Darrell R.  
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF."  
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS IMMUNOSUPPRESSANTS"  
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
; STREET: 699 Prince Street  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22314  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/124,905  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/383,916  
; FILING DATE:  
; APPLICATION NUMBER: US 08/487,550  
; FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Teskin, Robin L.  
; REGISTRATION NUMBER: 35,030  
; REFERENCE/DOCKET NUMBER: 012712-131  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-836-6620  
; TELEFAX: 703-836-2021  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 720 base pairs

```

; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 1..720
; FEATURE:
;   NAME/KEY: mat_peptide
;   LOCATION: 1..720
US-10-124-905-5

```

	Query Match	100.0%	Score 720;	DB 9;	Length 720;
	Best Local Similarity	100.0%	Pred. No. 2.1e-222;		
	Matches 720;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ATGAGCCTCCCTGCTCAGCTCCTCGGGCTGCTATTGCTCTGCGTCCCGGGTCCAGTGGG	60		
Db	1				
Qy	61	GAAGTTGTGATGACTCAGTCTCCACTGCTGCCCTTCCCATCACACCTGGAGAGCGGCGCTCC	120		
Db	61	GAAGTTGTGATGACTCAGTCTCCACTGCTGCCCTTCCCATCACACCTGGAGAGCGGCGCTCC	120		
Qy	121	ATCTCTGTAGGTCTGATGTCAAAGCCTTAAACACAGTAAATGGAGACACCTTCTCTGAGTTGG	180		
Db	121	ATCTCTGTAGGTCTGATGTCAAAGCCTTAAACACAGTAAATGGAGACACCTTCTCTGAGTTGG	180		
Qy	181	TATCAGCAGAGCCAGGCCCAACCTCCAGGCTCCCTGATTATAAGGTTTCTAACCGGGAC	240		
Db	181	TATCAGCAGAGCCAGGCCCAACCTCCAGGCTCCCTGATTATAAGGTTTCTAACCGGGAC	240		
Qy	241	TCTGGGTCCTCCACACAGATTCAGCGGCAGTGGGGCAGGACAGATTTTACACTGAAAAATC	300		
Db	241	TCTGGGTCCTCCACACAGATTCAGCGGCAGTGGGGCAGGACAGATTTTACACTGAAAAATC	300		
Qy	301	AGCGCAGTGGAGGCTGAAGATTTGGGGTTTATTTCTCGGGGCAAGGTACAAGGACTCCT	360		
Db	301	AGCGCAGTGGAGGCTGAAGATTTGGGGTTTATTTCTCGGGGCAAGGTACAAGGACTCCT	360		
Qy	361	CCCATTCTCGGGGAGGACCAAGGTGGAAATCAACAGTACCGTGGCTGCACCATCTGTC	420		
Db	361	CCCATTCTCGGGGAGGACCAAGGTGGAAATCAACAGTACCGTGGCTGCACCATCTGTC	420		
Qy	421	TTCATCTTTCCGCCCATCTGATCAGCAGTGTGAAATCTGGAAATGTCCTCTCTGTGTGCTCTG	480		
Db	421	TTCATCTTTCCGCCCATCTGATCAGCAGTGTGAAATCTGGAAATGTCCTCTCTGTGTGCTCTG	480		
Qy	481	CTGAATAAATCTTATCTCCACAGAGGCCAAAGTACAGTGGAAAGGTGGATAACGCCCTTCCAA	540		
Db	481	CTGAATAAATCTTATCTCCACAGAGGCCAAAGTACAGTGGAAAGGTGGATAACGCCCTTCCAA	540		
Qy	541	TGGGTAACTCCAGGAGTGTCTCAGAGCAGGACAGCAAGGACAGCACTTACAGCCTC	600		
Db	541	TGGGTAACTCCAGGAGTGTCTCAGAGCAGGACAGCAAGGACAGCACTTACAGCCTC	600		
Qy	601	AGCAGCACCTTCAGCTGAGCAAAAGCAGACTACGAGAAAACAAAGTCTTACGCTTCGGA	660		
Db	601	AGCAGCACCTTCAGCTGAGCAAAAGCAGACTACGAGAAAACAAAGTCTTACGCTTCGGA	660		
Qy	661	GTCAACCCATCAGGGCTGAGCTCGCCCGCTCACAAAAGACTTCAACAGGGAGAGTGTGA	720		
Db	661	GTCAACCCATCAGGGCTGAGCTCGCCCGCTCACAAAAGACTTCAACAGGGAGAGTGTGA	720		

RESULT 2  
US-09-948-429B-5  
; Sequence 5, Application US/09948429B  
; Patent No. US2002017689A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Darrell R.  
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC  
; TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF

```

; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF A
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/948.429B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 720 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..720
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..720
; US-09-948-429B-5

```

	Query Match	100.0.0%;	Score 720;	DB 9;	Length 720;
	Best Local Similarity	100.0.0%;	Pred. No. 2.1e-222;		
	Matches 720;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	ATGAGCCTCCCTGCTCAGCTCCCTCGGGCTGCTATTGCTCTCGTCCCGGGTCCAGTGGG	60		
Db	1	ATGAGCCTCCCTGCTCAGCTCCTCGGGCTGCTATTGCTCTCGTCCCGGGTCCAGTGGG	60		
Qy	61	GAAGTTGTGATGACTCAGTCTCCACTGTGCCCTTCCCATCACACCTGGAGAGCCGCGCTCC	120		
Db	61	GAAGTTGTGATGACTCAGTCTCCACTGTGCCCTTCCCATCACACCTGGAGAGCCGCGCTCC	120		
Qy	121	ATCTCCTGTAGGCTTAGTCAAAGCCTTAAACACAGTAAATGGAGACACCTTCTGAGTTGG	180		
Db	121	ATCTCCTGTAGGCTTAGTCAAAGCCTTAAACACAGTAAATGGAGACACCTTCTGAGTTGG	180		
Qy	181	TATCAGCAGAGCCAGGCCAACCTCCAGGGCTCCTGATTATTAAGGTTTCTAAACCGGAC	240		
Db	181	TATCAGCAGAGCCAGGCCAACCTCCAGGGCTCCTGATTATTAAGGTTTCTAAACCGGAC	240		
Qy	241	TCTGGGTGCCACAGACAGATTACGGCGCAGTGGGGCAGGACAGATTTTCACACTGAAAAATC	300		
Db	241	TCTGGGTGCCACAGACAGATTACGGCGCAGTGGGGCAGGACAGATTTTCACACTGAAAAATC	300		
Qy	301	AGCCAGTGGAGGCTGAAGATGTTGGGGTTTATTTCTCGGGCAAGGTACAAGGACTCCT	360		
Db	301	AGCCAGTGGAGGCTGAAGATGTTGGGGTTTATTTCTCGGGCAAGGTACAAGGACTCCT	360		





;; PRIOR FILING DATE: 2001-06-29  
;; PRIOR APPLICATION NUMBER: US 60/298, 698  
;; PRIOR FILING DATE: 2001-06-15  
;; PRIOR APPLICATION NUMBER: US 60/293, 574  
;; PRIOR FILING DATE: 2001-05-25  
;; NUMBER OF SEQ ID NOS: 112  
;; SOFTWARE: JPatent  
;; SEQ ID NO 7  
;; LENGTH: 968  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; NAME/KEY: 5'UTR  
;; LOCATION: 1..31  
;; NAME/KEY: CDS  
;; LOCATION: 32..748  
;; NAME/KEY: 3'UTR  
;; LOCATION: 749..968  
;; NAME/KEY: polyA signal  
;; LOCATION: 928..933  
;; NAME/KEY: polyA site  
;; LOCATION: 953..968  
US-09-924-340-7

Query Match 81.7%; Score 588.4; DB 9; Length 968;  
Best Local Similarity 88.7%; Pred. No. 6.8e-180;  
Matches 637; Conservative 0; Mismatches 81; Indels 0; Gaps 0;

QY 1 ATGAGCCTCCCTGCTCAGCTCCTCGGGCTGCTATTGCTCTGGTCCCGGGTCCAGTGGG 60  
DB 32 ATGAGGCTCCCTGCTCAGCTCCTCGGGCTGCTAATGCTCTGGGTCTCTGGATCCAGTGGG 91  
QY 61 GAAGTTGTGATGACTCAGTCTCCACTGTCCCTTCCCATCACACCTGGAGAGCGGCTCC 120  
DB 92 GATATTGTGATGACTCAGTCTCCACTTCTCTGCCGTCCACCTGGAGAGCGGCTCC 151  
QY 121 ATCTCCTGTAGTCTAGTCAAAAGCCTTAAACACAGTAATGGAGACACCTTCTCTGAGTTGG 180  
DB 152 ATCTCCTGCAGTCTAGTCAAGGCTCCTGCATGTTCAAGGCTCCAACATTATTGGATTGG 211  
QY 181 TATCAGCAGAACCCAGGCTCCAGGCTCCAGGCTCCTGATTTATAAGTTTCTAACCGGGAC 240  
DB 212 TACCACCAAGAACCCAGGCTCCAGGCTCCTGATATCTTGGGTTCTTAATCGGGCC 271  
QY 241 TCTGGGGTCCACACAGATTTACAGGCGAGTGGGCGAGGACAGATTTACACACTGAAATC 300  
DB 272 TCCGGGTCCCTGACAGGTTCAAGTGGCAGTGGATCAGGACAGATTTACACTGAAATC 331  
QY 301 AGCGAGTGGAGGCTGAAGATGTTGGGGTTATTTCTCGGGCAAGGTACAAGGACTCCT 360  
DB 332 AGTAGAGTGGAGGCTGAGGATGTTGGGGTTTATTACTGCATGCAAGCTCTACAACTCCA 391  
QY 361 CCCACTTTCGGGGAGGAGGACCAAGGTGGAATCAAACTGACGGTGGCTGCACCATCTGTC 420  
DB 392 TTCACTTTTCGGGCCCTGGGACCAAGTGGATATCAAGCAACTGTGGCTGCACCATCTGTC 451  
QY 421 TTCACTTTTCGGGCCCTGATGAGCAGTTGAAATCTGGAACCTGCCCTCTGTGTGTCCTG 480  
DB 452 TTCACTTTTCGGGCCCTGATGAGCAGTTGAAATCTGGAACCTGCCCTCTGTGTGTCCTG 511  
QY 481 CTGAATAACTTTATATCCAGAGAGCCAAAGTACAGTGGAAAGTGGATACAGCCCTCCAA 540  
DB 512 CTGAATAACTTTATATCCAGAGAGCCAAAGTACAGTGGAAAGTGGATACAGCCCTCCAA 571  
QY 541 TCGGGTAATCTCCAGAGAGTGTCAAGAGAGGACAGCAAGGACAGCACTTACAGCTTC 600  
DB 572 TCGGGTAATCTCCAGAGAGTGTCAAGAGAGGACAGCAAGGACAGCACTTACAGCTTC 631  
QY 601 AGCAGCACCCTGACGCTGAGCAAAAGCAGACTACGAGAAACACAAAGTCTACGCTCGGAA 660  
DB 632 AGCAGCACCCTGACGCTGAGCAAAAGCAGACTACGAGAAACACAAAGTCTACGCTCGGAA 691  
QY 661 CTCACCCATCAGGGCCTGAGCTCGCCCGTCAAAAAGAGCTTCAACAGGGGAGAGTGT 718

DB 692 GTCACCCATCAGGGCTGAGCTCCCGTCACAAAGAGCTTCAACAGGGGAGAGTGT 749

RESULT 5

US-09-992-600A-7  
;; Sequence 7, Application US/09992600A  
;; Publication No. US20030027161A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Benjamin, Stephane  
;; APPLICANT: Tanaka, Hiroaki  
;; TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
;; FILE REFERENCE: 91.US4.DIV  
;; CURRENT APPLICATION NUMBER: US/09/992,600A  
;; CURRENT FILING DATE: 2001-11-13  
;; PRIOR APPLICATION NUMBER: US 09/924,340  
;; PRIOR FILING DATE: 2001-08-06  
;; PRIOR APPLICATION NUMBER: PCT/IB01/01715  
;; PRIOR FILING DATE: 2001-08-06  
;; PRIOR APPLICATION NUMBER: US 60/305,456  
;; PRIOR FILING DATE: 2001-07-13  
;; PRIOR APPLICATION NUMBER: US 60/302,277  
;; PRIOR FILING DATE: 2001-06-29  
;; PRIOR APPLICATION NUMBER: US 60/298,698  
;; PRIOR FILING DATE: 2001-06-15  
;; PRIOR APPLICATION NUMBER: US 60/293,574  
;; PRIOR FILING DATE: 2001-05-25  
;; NUMBER OF SEQ ID NOS: 114  
;; SOFTWARE: JPatent  
;; SEQ ID NO 7  
;; LENGTH: 968  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; NAME/KEY: 5'UTR  
;; LOCATION: 1..31  
;; NAME/KEY: CDS  
;; LOCATION: 32..748  
;; NAME/KEY: 3'UTR  
;; LOCATION: 749..968  
;; NAME/KEY: polyA signal  
;; LOCATION: 928..933  
;; NAME/KEY: polyA site  
;; LOCATION: 953..968  
US-09-992-600A-7

Query Match 81.7%; Score 588.4; DB 9; Length 968;  
Best Local Similarity 88.7%; Pred. No. 6.8e-180;  
Matches 637; Conservative 0; Mismatches 81; Indels 0; Gaps 0;

QY 1 ATGAGCCTCCCTGCTCAGTCTCCTCGGGCTGCTATTGCTCTGGTCCCGGGTCCAGTGGG 60  
DB 32 ATGAGGCTCCCTGCTCAGCTCCTCGGGCTGCTAATGCTCTGGGTCTCTGGATCCAGTGGG 91  
QY 61 GAAGTTGTGATGACTCAGTCTCCACTGTCCCTTCCCATCACACCTGGAGAGCGGCTCC 120  
DB 92 GATATTGTGATGACTCAGTCTCCACTTCTCTGCCGTCAACCTTGGAGAGCGGCTCC 151  
QY 121 ATCTCCTGTAGGCTCTAGTCAAAAGCCTTAAACACAGTAATGGAGACACCTTCTCTGAGTTGG 180  
DB 152 ATCTCCTGCAGGCTCTAGTCAAGGCTCCTGCATGTTCAAGGCTCCAATATTGGATTGG 211  
QY 181 TATCAGCAGAACCCAGGCTCCAGGCTCCAAAGCTCCTGATTTATAAGTTTCTTAACCGGGAC 240  
DB 212 TACCACCAAGAACCCAGGCTCCAGGCTCTCCAAACTCTCTGATATACTTGGGTCTTAATCGGGCC 271  
QY 241 TCTGGGGTCCACACAGATTTACAGGCGAGTGGGCGAGGACAGATTTACACACTGAAATC 300  
DB 272 TCCGGGGTCCCTGACAGGTTTCAAGTGGCAGTGGATCAGGACAGATTTTCACTGAAATC 331

QY 301 AGCCAGTGGAGGCTGAAGATGTTGGGGTTTATTTCTGCGGGCAAGGTACAAAGGACTCCT 360  
Db 332 AGTAGAGTGGAGGCTGAGGATGTTGGGGTTTATTTCTGCGGGCAAGGTACAAAGTCCA 391  
QY 361 CCACATTTCCGGGAGGAGCAAGGTGGAATCAAAAGTACGGTGGCTGCACCATCTGTC 420  
Db 392 TTCACTTTCCGGGCTGGGACCAAGTGGATATCAAGCAACTGTGGCTGCACCATCTGTC 451  
QY 421 TTCACTTTCCGGGCTGATGAGGAGTGAATCTGGAATCTGGAATCTGTTGTGTCCTG 480  
Db 452 TTCACTTTCCGGGCTGATGAGGAGTGAATCTGGAATCTGGAATCTGTTGTGTCCTG 511  
QY 481 CTGAATCACTTCTATCCAGAGAGGCAAGTACAGTACAGTGAAGTGAATCAAGTCCCTCCA 540  
Db 512 CTGAATCACTTCTATCCAGAGAGGCAAGTACAGTGAAGTGAATCAAGTCCCTCCA 571  
QY 541 TCGGGTAACCTCCAGGAGAGTGTACAGAGCAGGACAGCAAGTACAGCCTTACAGCCTC 600  
Db 572 TCGGGTAACCTCCAGGAGAGTGTACAGAGCAGGACAGCAAGTACAGCCTTACAGCCTC 631  
QY 601 AGCAGCACTTGAAGTACAGCAAGTACAGTACAGCAAGTACAGCCTTACAGCCTC 660  
Db 632 AGCAGCACTTGAAGTACAGCAAGTACAGTACAGCAAGTACAGCCTTACAGCCTC 691  
QY 661 GTCAACCATCAGGCGCTGAGTCTGCGCGTCAAAAGAGCTTCAACAGGAGGAGTGT 718  
Db 692 GTCAACCATCAGGCGCTGAGTCTGCGCGTCAAAAGAGCTTCAACAGGAGGAGTGT 749

## RESULT 6

US-09-822-698A-25  
; Sequence 25, Application US/09822698A  
; Patent No. US20020146750A1  
; GENERAL INFORMATION:  
; APPLICANT: Hoogenboom, Hendricus R.J.M.  
; APPLICANT: Henderix, Maria P.G.  
; TITLE OF INVENTION: MUCIN-1 Specific Binding Members and Methods of Use Thereof  
; FILE REFERENCE: DYX-015.1 US  
; CURRENT APPLICATION NUMBER: US/09/822,698A  
; CURRENT FILING DATE: 2001-03-30  
; PRIOR APPLICATION NUMBER: US 09/538,913  
; PRIOR FILING DATE: 2000-03-30  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: Microsoft Word  
; SEQ ID NO 25  
; LENGTH: 663  
; TYPE: DNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; OTHER INFORMATION: nucleotide sequence coding for amino acid sequence of  
; OTHER INFORMATION: SEQ ID NO:24  
US-09-822-698A-25

Query Match 74.0%; Score 533; DB 10; Length 663;  
Best Local Similarity 89.0%; Pred. No. 4.6e-162;  
Matches 588; Conservative 0; Mismatches 70; Indels 3; Gaps 1;

QY 61 GAAGTTGTGATGACTCAGTCTCCACTGTCCCTTCCCATCACACCTGGAGAGCGGCTCC 120  
Db 1 GAAATTTGTGATGACTCAGTCTCCACTGTCCCTTCCCATCACACCTGGAGAGCGGCTCC 60  
QY 121 ATCTCTGTAGTCTAGTCAAGGCTTAAACAGTAAATGGAGACCTTCTGAGTTGG 180  
Db 61 ATCTCTGTAGTCTAGTCAAGGCTTAAACAGTAAATGGAGACCTTCTGAGTTGG 120  
QY 181 TATCAGCAGAGGCGGAGGCAACCTTCAAGGCTCTCTGATTATTAAGGTTTCTTAACCGGAG 240  
Db 121 TACCTGAGAGGCGGAGGCAAGTCTCCACAGCTCTCTGATTCTTTCGGTTCTCATCGGCG 180  
QY 241 TCTGGGTTCCAGACAGATTCAGGGCAGTGGGGCAGTGGGGCAGATTTCACTGAAATC 300  
Db 181 TCGGGGTTCCAGACAGATTCAGGGCAGTGGGGCAGTGGGGCAGATTTCACTGAAATC 240

QY 301 AGCCAGTGGAGGCTGAAGATGTTGGGGTTTATTTCTGCGGGCAAGGTACAAAGGACTCCT 360  
Db 241 AGCAGAGTGGAGGCTGAGGATGTTGGAGTTTATTTACTGATGCAAGGCTTACAGAGTCCA 300  
QY 361 CCACATTTCCGGGAGGAGCAAGGTGGAATCAAAAGTACGGTGGCTGCACCATCT 417  
Db 301 TTCACTTTCCGGGCTGGGACCAAGTGGATATCAAAAGGAGAACTGTGGCTGCACCATCT 360  
QY 418 GTCTTCACTTCCCGGCATCTGATGAGCAGTGAATCTGGAATCTGGAATCTGTTGTGTC 477  
Db 361 GTCTTCACTTCCCGGCATCTGATGAGCAGTGAATCTGGAATCTGGAATCTGTTGTGTC 420  
QY 478 CTGCTGAATTAATCTTATCCAGAGAGGCAAGTACAGTGAAGTGAATCAAGCCTC 537  
Db 421 CTGCTGAATTAATCTTATCCAGAGAGGCAAGTACAGTGAAGTGAATCAAGCCTC 480  
QY 538 CAATCCGGGTAACTCCAGGAGAGTGTACAGAGCAGGACAGCAAGTACAGCCTTACAGC 597  
Db 481 CAATCCGGGTAACTCCAGGAGAGTGTACAGAGCAGGACAGCAAGTACAGCCTTACAGC 540  
QY 598 CTGAGCAGCCTTGAAGTGAAGCAAGTACAGTGAAGTGAATCAAGTCTTACGCTGC 657  
Db 541 CTGAGCAGCCTTGAAGTGAAGCAAGTACAGTGAAGTGAATCAAGTCTTACGCTGC 600  
QY 658 GAAGTCAACCATCAGGCGCTGAGTCTGCGCGTCAAAAGAGCTTCAACAGGAGAGTGT 717  
Db 601 GAAGTCAACCATCAGGCGCTGAGTCTGCGCGTCAAAAGAGCTTCAACAGGAGAGTGT 660  
QY 718 T 718  
Db 661 T 661

## RESULT 7

US-09-909-567B-14  
; Sequence 14, Application US/09909567B  
; Publication No. US2003002257A1  
; GENERAL INFORMATION:  
; APPLICANT: Macina, Roberto A.  
; APPLICANT: Nair, Manoj  
; APPLICANT: Chen, Seiyu  
; TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes  
; FILE REFERENCE: DEX-0214  
; CURRENT APPLICATION NUMBER: US/09/909,567B  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: 60/219,834  
; PRIOR FILING DATE: 2000-07-21  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 14  
; LENGTH: 799  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-09-909-567B-14

Query Match 72.3%; Score 520.6; DB 9; Length 799;  
Best Local Similarity 86.1%; Pred. No. 4.9e-158;  
Matches 614; Conservative 0; Mismatches 89; Indels 10; Gaps 3;

QY 9 CCCTGTCTAGCTCTCGGGCTGCTATTGCTGTGCGTCCCGGGTCCAGTGGGGAAGTTGT 68  
Db 1 CCCTGTCTAGCTCTTGGGCGCGCTAATGCTCTGGGTC-----CCTGTGACAGATTGT 53  
QY 69 GATGACTCAGTCTCAGTCTCCCTTCCCATCACACTGGAGAGCGGCTCCATCTCCTG 128  
Db 54 GATGACCCAGACTCCACTCTCTTGTCTATCACCCCTGGAGAGAGGCTCCATCTCCTG 113  
QY 129 TAGGTCTAGTCAAGGCTTAAACAGATTAATGAGACACCTTCCCTGAGTGGTATCACA 188  
Db 114 CAGGTCTAGTCAAGGCTTCCCTGATGATGATGATACACCTATTGTTATTGTTCTGCA 173  
QY 189 G-AAGCCAGCCCAACCTCCAGGCTCTGATTATTAAGGTTTCTTAACCGGAGACTCG-- 245

Db	174	GAAGCCAGGCCAGTCTCCACAGCTCTGATCTATGAAGTTTCCACCGGTTCTCTGGAG	233
Qy	246	GGTCCCAGACAGATTACAGCGCAGTGGGGCAGGACAGATTTCCACTGAAATCAGCGC	305
Db	234	TGTCACCATTAGTTTCAGTGGCAGCGGTCGGGAGGAAATTCACATTGAGAAATCAGCG	293
Qy	306	AGTGGAGGCTGAAGATGTTGGGGTTTATTTCTCGGGCAAGGTACAAGGACTCTCCAC	365
Db	294	GGTGGAGGCTGACGATCTCGAGTTTACTACTGATGCAAACTACACAGACTCCGAACAC	353
Qy	366	TTTTCGGCGGAGGACCAAGGTGGAAATCAAACTACGTTGGCTGCAACCATCTGTCTTCAT	425
Db	354	TTTTGGCCAGGGACGAGGCTGGAGATCAAAACGAATGTGGCTGCAACCATCTGTCTTCAT	413
Qy	426	CTTCCCGCCATCTGATGAGCAGTTGAAATCTCGAACTGCTCTGTTGTGTGCTGCTGAA	485
Db	414	CTTCCCGCCATCTGATGAGCAGTTGAAATCTGGAATCTGCTCTGTTGTGTGCTGCTGAA	473
Qy	486	TAACTTCTATCCAGAGAGCCAAAGTACATGGAAGGTGGATTAACGCCCTCCAAATCGGG	545
Db	474	TAACTTCTATCCAGAGAGCCAAAGTACATGGAAGGTGGATTAACGCCCTCCAAATCGGG	533
Qy	546	TAACTCCAGGAGAGTGTACACAGCAGCAGCAGCAGGACAGCACTACAGCCTCAGCG	605
Db	534	TAACTCCAGGAGAGTGTACACAGCAGCAGCAGCAGGACAGCACTACAGCCTCAGCAG	593
Qy	606	CACCTTGACGCTGAGCAAAAGCAGCTACAGAGAAAACAAAGTCTACGCTCGGGAAGTCAAC	665
Db	594	CACCTTGACGCTGAGCAAAAGCAGCTACAGAGAAAACAAAGTCTACGCTCGGGAAGTCAAC	653
Qy	666	CCATCAGGGCCTGAGCTCGCCCGTCAAAAGAGCTTCAACAGGGAGAGTGTT	718
Db	654	CCATCAGGGCCTGAGCTCGCCCGTCAAAAGAGCTTCAACAGGGAGAGTGTT	706

## RESULT 8

US-09-726-258-41  
 / Sequence 41, Application US/09726258  
 / Publication NO. US20030021790A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Genentech, Inc., Hsei, Vanessa  
 / APPLICANT: Koumenig, Iphigenia  
 / APPLICANT: Leong, Steven R.  
 / APPLICANT: Presta, Leonard G.  
 / APPLICANT: Shahrokh, Zahra  
 / APPLICANT: Zapata, Gerardo A.  
 / TITLE OF INVENTION: ANTIBODY FRAGMENT-POLYMER CONJUGATES AND  
 / MONOCLONAL ANTIBODIES  
 / NUMBER OF SEQUENCES: 72  
 / CORRESPONDENCE ADDRESS:  
 / ADDRESSEE: Genentech, Inc.  
 / STREET: 1 DNA Way  
 / CITY: South San Francisco  
 / STATE: California  
 / COUNTRY: USA  
 / ZIP: 94080  
 / COMPUTER READABLE FORM:  
 / MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 / COMPUTER: IBM PC compatible  
 / OPERATING SYSTEM: PC-DOS/MS-DOS  
 / SOFTWARE: Winpatin (Genentech)  
 / CURRENT APPLICATION DATA:  
 / APPLICATION NUMBER: US/09/726,258  
 / FILING DATE:  
 / CLASSIFICATION:  
 / PRIOR APPLICATION DATA:  
 / APPLICATION NUMBER: 09/234,182  
 / FILING DATE:  
 / PRIOR APPLICATION DATA:  
 / APPLICATION NUMBER: 60/094003  
 / FILING DATE: 24-JUL-1998  
 / ATTORNEY/AGENT INFORMATION:

```

; PRIOR APPLICATION NUMBER: PCT/US00/23662
; PRIOR FILING DATE: 2000-08-29
; PRIOR APPLICATION NUMBER: 60/152,248
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1033
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-799-514-2

Query Match 69.0%; Score 497; DB 10; Length 1033;
Best Local Similarity 81.6%; Pred. No. 2.2e-150;
Matches 588; Conservative 0; Mismatches 130; Indels 3; Gaps 1;

QY 1 ATGAGCCTCCCTGCTCAGCTCTCGGGCTGCTATTGCTCTGGTCCCGGGTCCAGTGGG 60
DB 10 ATGGTGTTGCAGACCCAGGTCTTCATTTCTCTGTTGCTCTGGATCTCTGGTCCCTACGGC 69
QY 61 GAAGTTGTGATGACACAGCTCCACTGCTCCCTTCCCATCACACCTGGAGAGCGGGCTCC 120
DB 70 GACATCGTATGACCCAGTCTCCAGACTCCCTGGTGTGTCTCTGGCGAGAGGGCCACC 129
QY 121 ATCTCCTGTAGTCTAGTCAAAAGCCTTAAACACAG---TAATGGAGACACCTTCTCTGAGT 177
DB 130 ATCAACTGCAAGTCCAGCCAGACTGTTTATACAGCTCCGACAAATAAGAACTACTTAGCT 189
QY 178 TGGTATCAGCAGAGCCAGGCCAATCTCAAGCTCTGATTTATTAAGTTTCTAACCGG 237
DB 190 TGGTATCAGCAGAAACAGGACAGCCTCTTAAGCTCTCATTTACTTGGGCATCTACCCGG 249
QY 238 GACTCTGGGTCCACACAGATTCACGGCAGTGGGGAGGACAGATTTCACTGAAA 297
DB 250 GAATCGGGGTCCCTGACCGATTCAGTGGCAGCGGTCTGGGACAGATTTCACTCTACC 309
QY 298 ATCAGCGCAGTGAGGCTGAAGATGTTGGGGTTTATTTCTGGGGCAAGGTACAAGGACT 357
DB 310 ATCAGCAGCTGCAGGCTGAAGATGTGGCAGTTTATTTACTGTACGCAATATTATAGTACT 369
QY 358 CTTCCCACTTTGGCGGAGGACCAAGGTGGAAATCAAGCTACGGTGGCTGCACCATCT 417
DB 370 CGGTACAGTTTGGCCAGGGGACCAAGCTGGAAATCAAGCAACTGTGGCTGCACCATCT 429
QY 418 GTCTTCATCTTCCCGCATCTGATGACAGTTCGAAATCTGAACTGCTCTGTTGTGTC 477
DB 430 GTCTTCATCTTCCCGCATCTGATGACAGTTCGAAATCTGAACTGCTCTGTTGTGTC 489
QY 478 CTGCTGAATTAATTTCTATCCAGAGAGGCCAAAGTACAGTGAAGGTGGATTAACGCCCTC 537
DB 490 CTGCTGAATTAATTTCTATCCAGAGAGGCCAAAGTACAGTGAAGGTGGATTAACGCCCTC 549
QY 538 CAATCGGGTAACTCCAGGAGAGTGTACAGAGCGAGACAGGACAGCAGCCTACAGC 597
DB 550 CAATCGGGTAACTCCAGGAGAGTGTACAGAGCGAGACAGGACAGCAGCCTACAGC 609
QY 598 CTCAGCAGCACCCTGAGCTGAGCAAAAGCAGACTTACAGAGAAACACAAAGTCTACGCCCTGC 657
DB 610 CTCAGCAGCACCCTGAGCTGAGCAAAAGCAGACTTACAGAGAAACACAAAGTCTACGCCCTGC 669
QY 658 GAAGTCAACCATCAGGGCTGAGCTCCCGGTCTCAAAAGAGCTTCAACAGGGGAGAGTGT 717
DB 670 GAAGTCAACCATCAGGGCTGAGCTCCCGGTCTCAAAAGAGCTTCAACAGGGGAGAGTGT 729
QY 718 T 718
DB 730 T 730

RESULT 10
US-09-822-830A-531
; Sequence 531, Application US/09822830A
; Patent No. US20020142952A1
```



```
QY 189 GAAGCCAGGCCAACCTCCAGAGCTCTCTGATTTATAGGTTTCTAACCGGAGCTCTGGGGT 248
DB 204 GAAACCTGGCCAGGCTCCCGGGCTCTCTATCTATGTGTCATCCAGCAGGGCCACTGGCAT 263
QY 249 CCCAGACAGATTACGGGCGAGTGGGCGAGGACAGATTTCACACTGAAATCAGCGCAGT 308
DB 264 CCCAGACAGGTTTCACTGGGCGAGTGGGCTGGGACAGACTTCACTCTCAACCATCAGCAGACT 323
QY 309 GGAGGCTGAAGATGTTGGGGTTTATTTCTGCGGGCAAGGTCAAGGACTCCT---CCCAC 365
DB 324 GGAGGCTGAAGATTTTGGCAGTGATTTACTGTGTCAGCAGTTTGGTAGCTCACTATGTGCAG 383
QY 366 TTTCCGCGGAGGACCAAGGTGGAATCAAAAGTACGGTGGCTGGTGCACCAATCTGTCTTCAT 425
DB 384 TTTTGGCCAGGGGACCAAGCTGGAGATCAAAAGTGTGGTGGCTGACCAATCTGTCTTCAT 443
QY 426 CTTCCGCGCATCTGATGACAGCTTGAATCTGGAATCTGGAATCTGTTGTGCTGCTGCTGAA 485
DB 444 CTTCCGCGCATCTGATGACAGCTTGAATCTGGAATCTGGAATCTGTTGTGCTGCTGCTGAA 503
QY 486 TAACTTCTATCCAGAGAGGCCAAGGTACAGTGGAAAGTGGATAACGCCCTCCCAATCGGG 545
DB 504 TAACTTCTATCCAGAGAGGCCAAGGTACAGTGGAAAGTGGATAACGCCCTCCCAATCGGG 563
QY 546 TAACTTCTATCCAGAGAGGCCAAGGTACAGTGGAAAGTGGATAACGCCCTCCCAATCGGG 605
DB 564 TAACTTCTATCCAGAGAGGCCAAGGTACAGTGGAAAGTGGATAACGCCCTCCCAATCGGG 623
QY 606 CACCCTGACGCTGAGCAAGCAGACTACGAGAACCAAGTCTAGCCCTGCGAAGTCTAC 665
DB 624 CACCCTGACGCTGAGCAAGCAGACTACGAGAACCAAGTCTAGCCCTGCGAAGTCTAC 683
QY 666 CCATCAGGCGCTGAGCTCGCCCTGACAAAGAGCTTCAACAGGGGAGAGTGT 718
DB 684 CCATCAGGCGCTGAGCTCGCCCTGACAAAGAGCTTCAACAGGGGAGAGTGT 736

RESULT 13
US-09-859-053-37
; Sequence 37, Application US/09859053
; Patent No. US20020102658A1
; GENERAL INFORMATION:
; APPLICANT: Tsuji, Takashi
; APPLICANT: Tezuka, Katsunari
; APPLICANT: Hori, No. US20020102658A1uaki
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A
; TITLE OF INVENTION: COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE AILIM AND
; TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF
; FILE REFERENCE: 06501-079001
; CURRENT APPLICATION NUMBER: US/09/859,053
; CURRENT FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: JP 2001-99508
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: JP 2000-147116
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 970
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (1)...(32)
; NAME/KEY: CDS
; LOCATION: (33)...(740)
; NAME/KEY: 3'UTR
; LOCATION: (744)...(970)
; NAME/KEY: sig peptide
; LOCATION: (33)...(92)
US-09-859-053-37
```

Query Match 65.4%; Score 471; DB 10; Length 970;

```
Best Local Similarity 81.1%; Pred. No. 5.3e-142;
Matches 578; Conservative 0; Mismatches 120; Indels 15; Gaps 2;

QY 9 CCTCTCAGCTCCTCGGCTGCTATTGCTCTGCGTCCCGGGTCCAGTGGGAAAGTTGT 68
DB 41 CCCAGGCGAGCTTCTTCTCTCTCTGCTACTCTGGTCCAGATACCCCGGAAATTTGT 100
QY 69 GATGACTCAGTCTCCACTGTCCCTTCCCATACACCTGGAGAGCGGCTCCATCTCCTG 128
DB 101 GTTGACGCGAGTCTCCAGGCACTCTGCTTTGTCTCAGGGGAAAGAGCCACCTCTCTCTG 160
QY 129 TAGGCTAGTCAAGCCTTAAACACAGTAATGGAGACACTTCTCCTGAGTTGGTATCAGCA 188
DB 161 CAGGCGCAGT-----CAGAGTATTAGCAGCAGCTCCTTAGCCTGGTACCAGCA 208
QY 189 GAAGCCAGGCCAACCTCCAAAGGCTCCTGATTTATAGGTTTCTAACCGGAGCTCTCGGGT 248
DB 209 GAAACCTGGCCAGGCTCCCGGGCTCTCTATCTTTGGTGCATCCAGCAGGGCCACTGGCAT 268
QY 249 CCCAGACAGATTACGGGCGAGTGGGCGAGGACAGATTTCACACTGAAATCAGCGCAGT 308
DB 269 CCCAGACAGGTTTCACTGGCAGTGGGCTCTGGACAGACTTCACTCTCAACCATCAGCAGACT 328
QY 309 GGAGGCTGAAGATGTTGGGGTTTATTTCTGCGGGCAAGGTACAGGAGCTCCT---CCCAC 365
DB 329 GGAGGCTGAAGATTTTGCAGTGTATTACTGTGTCAGCAGTTTGGTAGCTCACTATGTGCAG 388
QY 366 TTTCCGCGGAGGACCAAGGTGGAATCAAAAGTACGGTGGCTGGCTGCACCATCTCTTTCAT 425
DB 389 TTTTGGCCAGGGGACCAAGCTGGAGATCAAAAGTGTGGCTGCACCATCTCTTTCAT 448
QY 426 CTTCCGCGCATCTGATGACAGCTTGAATCTGGAATCTGCTGCTGTTGTGCTGCTGCTGAA 485
DB 449 CTTCCGCGCATCTGATGACAGCTTGAATCTGGAATCTGCTGCTGTTGTGCTGCTGCTGAA 508
QY 486 TAACTTCTATCCAGAGAGGCCAAGGTACAGTGGAAAGTGGATAAGCCCTCCCAATCGGG 545
DB 509 TAACTTCTATCCAGAGAGGCCAAGGTACAGTGGAAAGTGGATAAGCCCTCCCAATCGGG 568
QY 546 TAACTTCTATCCAGAGAGGCCAAGGTACAGTGGAAAGTGGATAAGCCCTCCCAATCGGG 605
DB 569 TAACTTCTATCCAGAGAGGCCAAGGTACAGTGGAAAGTGGATAAGCCCTCCCAATCGGG 628
QY 606 CACCCTGACGCTGAGCAAGCAGACTACGAGAACCAAGTCTAGCCCTGCGAAGTCTAC 665
DB 629 CACCCTGACGCTGAGCAAGCAGACTACGAGAACCAAGTCTAGCCCTGCGAAGTCTAC 688
QY 666 CCATCAGGCGCTGAGCTCGCCCTGACAAAGAGCTTCAACAGGGGAGAGTGT 718
DB 689 CCATCAGGCGCTGAGCTCGCCCTGACAAAGAGCTTCAACAGGGGAGAGTGT 741

RESULT 14
US-09-740-002-16
; Sequence 16, Application US/09740002
; Patent No. US20020001798A1
; GENERAL INFORMATION:
; APPLICANT: BRAMS, PETER
; APPLICANT: MORROW, PHILLIP
; TITLE OF INVENTION: NEUTRALIZING HIGH AFFINITY HUMAN MONOCLONAL ANTIBODIES
; TITLE OF INVENTION: SPECIFIC TO RSV F-PROTEIN AND METHODS FOR THEIR
; FILE REFERENCE: 037003-0275759
; CURRENT APPLICATION NUMBER: US/09/740,002
; CURRENT FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 09/335,697
; PRIOR FILING DATE: 1999-06-18
; PRIOR APPLICATION NUMBER: 08/488,376
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 705
```



TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(702)  
US-09-740-002-16

Query Match 65.1%; Score 468.8; DB 10; Length 705;  
Best Local Similarity 80.1%; Pred. No. 2.4e-141; Indels 15; Gaps 1;  
Matches 570; Conservative 0; Mismatches 127;

QY 9 CCTGTCTAGCTCTCGGGCTGCTATTGCTCTGCGTCCCGGGTCCAGTGGGGAATTGT 68  
Db |||||  
QY 9 CCTGTCTAGCTCTCGGGCTCTCTGCTACTCTGGCTCCGAGTGCCAGATGTGACATCCA 68  
Db |||||  
QY 69 GATGACTAGTCTCACTGCTCCCTCCATCAACCTGAGAGCGGCTCATCTCCTG 128  
Db |||||  
QY 69 GATGACCCAGTCTCCATCTCCCTGCTGCTGATCTGTCGGAGACAGAGTCAACCATCTTG 128  
QY 129 TAGGTCTAGTCAAGGCTTTAAACACAGTAATGGAGACACTTCTCTGAGTTGGTATCAGCA 188  
Db |||||  
QY 129 CCGGGCAGTCTAGAGATT-----GCTAGTTATTAAATGGTATCAGCA 173  
QY 189 GAAGCAGGCCCACTCCAAAGCTCTCTGATTTATAAGTTTCTAACCGGAGCTCTGGGT 248  
Db |||||  
QY 174 CAAACAGGGAAGCCCTTAAGCTCTGATATATGCTGATCCAAATTTGCACCGTGGGT 233  
QY 249 CCCAGACAGATTACGGCGAGTGGGCGAGGACAGATTTTCACTGAAATCAGCGCAGT 308  
Db |||||  
QY 234 CCGCTCAAGTTTCAGTGGCGGTGGATCTGGGACAGATTTTCACTCTCACCATCAACAGTCT 293  
QY 309 GGAGGCTGAAGATGTTGGGGTTTATTTCGCGGCAAGGTACAAAGGACCTCTCCCACTTT 368  
Db |||||  
QY 294 GCAACTGAAGATTTTGCACTTACTATTGTCAACAGGCTTACAGTACCCCTGAGCTTT 353  
QY 369 CGGCGGAGGACAAGGTGGAAATCAAACGTACGTTGGCTGACCATCTGTCTTCACTTT 428  
Db |||||  
QY 354 CGGCCAGGGAACAAGTGGAAATCAAACGTACGTTGGCTGACCATCTGTCTTCACTTT 413  
QY 429 CCGGCCTCTGATGACGAGTGAATCTGGAATCGGACTGCTGTGTGTGCTGCTGATAA 488  
Db |||||  
QY 414 CCGGCCTCTGATGACGAGTGAATCTGGAATCTGGAATCGGCTCTGTGTGTGCTGCTGATAA 473  
QY 489 TTCTATCCAGAGAGGCCAAAGTACAGTGGAGTGGATAACGGCTCTCAATCGGGTAA 548  
Db |||||  
QY 474 TTCTATCCAGAGAGGCCAAAGTACAGTGGAGTGGATAACGGCTCTCAATCGGGTAA 533  
QY 549 CTCCAGGAGAGTGTCAAGAGCAGGACAGCAAGGACAGCCTTACAGCTTCAGAGCAGC 608  
Db |||||  
QY 534 CTCCAGGAGAGTGTCAAGAGCAGGACAGCAAGGACAGCCTTACAGCTTCAGAGCAGC 593  
QY 609 CTGACGCTGAGCAAGCAGACTACGAGAAACACAAAGTCTACGCTGCGAGTCAACCA 668  
Db |||||  
QY 594 CTTGACGCTGAGCAAGCAGACTACGAGAAACACAAAGTCTACGCTGCGAGTCAACCA 653  
QY 669 TCAGGGCTGAGCTCGCCGTCACAAAGAGCTTCAACAGGGGAGAGTGTGA 720  
Db |||||  
QY 654 TCAGGGCTGAGCTCGCCGTCACAAAGAGCTTCAACAGGGGAGAGTGTGA 705

RESULT 15  
US-09-800-729-79  
Sequence 79, Application US/09800729  
Patent No. US2002068319A1  
GENERAL INFORMATION:  
APPLICANT: Ni et al.  
TITLE OF INVENTION: 32 Human secreted proteins  
FILE REFERENCE: P2044P1  
CURRENT APPLICATION NUMBER: US/09/800,729  
PRIORITY FILING DATE: 2001-03-08  
PRIOR APPLICATION NUMBER: PCT/US00/26013  
PRIORITY FILING DATE: 2000-09-22  
PRIOR APPLICATION NUMBER: 60/155,709

PRIOR FILING DATE: 1999-09-24  
NUMBER OF SEQ ID NOS: 217  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 79  
LENGTH: 990  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (908)  
OTHER INFORMATION: n equals a,t,g, or c  
US-09-800-729-79

Query Match 65.0%; Score 468; DB 10; Length 990;  
Best Local Similarity 79.1%; Pred. No. 5e-141;  
Matches 568; Conservative 5; Mismatches 130; Indels 15; Gaps 1;

QY 1 ATGAGCGCTCCCTGCTCAGCTCTCGGGCTGCTATTGCTCTGCGTCCCGGGTCCAGTGGG 60  
Db |||||  
QY 8 ATGAGGGTCCCTGCTCAGCTCTCGGGCTCTCTGCTGCTCTGCTCTCAGTCCGATGC 67  
Db |||||  
QY 61 GAAGTTGTGATGACTCAGTCTCCACTGCTCCCTTCCATCACACTGGAGAGCGGCTCC 120  
Db |||||  
QY 68 GACATCCAGCTGACCCAGTCTCCATCTCTCTCTGCTCTGCTCTCTGCGGACAGCGTCA 127  
QY 121 ATCTCTCTGAGTCTAGTCAAGCCCTTAAACACAGTAATGGAGACACTTCTCTGAGTTGG 180  
Db |||||  
QY 128 ATCACTTGGCAGGAGTCAGGACAT-----CGCCAACTATTTTGAATTGG 172  
QY 181 TATCAGCAGAAAGCCAGGCAACCTCCAAAGGCTCTGATTTATAAGGTTTCTAAACGGGAC 240  
Db |||||  
QY 173 TATCAGCAGAAAGCCCGGGAACCCCACTCGTGTCTTCGATGGATCTATTTTACAT 232  
QY 241 TCTGGGTCCAGACAGATTTCAGCGGAGTGGGGCAGGACAGATTTTACACTGAAATC 300  
Db |||||  
QY 233 ACAGGGTCCCATCAAGGTTTCAAGTGGAGTGGATCTGGGACACATTTTCACTTTCCATC 292  
QY 301 AGCGCAGTGGAGGCTGAAGATGTTGGGGTTATTTCGCGGCAAGGTACAGGACTCCT 360  
Db |||||  
QY 293 AACAACTGACGCTTCAGATGTTGCAACATATTCTGTCAACARTATAATCTTTTCCCC 352  
QY 361 CCCACTTTCCGGGAGGACCAAGGTGGAAATCAAACGTTAGCGTGGCTGCGACCATCTGTC 420  
Db |||||  
QY 353 CTCACKTTCCGCSRAGGACCAAGGTGGARATCAAACCACTGTGCTGCACCATCTGTC 412  
QY 421 TTCACTTTCCCGCCATCTGATGAGCAGTTGAAATCTGGAACTGCTCTGTTGTGCTG 480  
Db |||||  
QY 413 TTCACTTTCCCGCCATCTGATGAGCAGTTGAAATCTGGAACTGCTCTGTTGTGCTG 472  
QY 481 CTGAATAACTTCTATCCAGAGAGGCCAAAGTACAGTGGAAAGTGAAGCCCTCCAA 540  
Db |||||  
QY 473 CTGAATAACTTCTATCCAGAGAGGCCAAAGTACAGTGGAAAGTGAAGCCCTCCAA 532  
QY 541 TCGGGTAATCTCCAGAGAGAGTGTCAAGAGCAGGACAGCAAGGACAGCCTTACAGCTTC 600  
Db |||||  
QY 533 TCGGGTAATCTCCAGAGAGAGTGTCAAGAGCAGGACAGCAAGGACAGCCTTACAGCTTC 592  
QY 601 AGCAGACCTTACGCTGAGCAAGAGCAGACTACAGAAACACAAAGTCTACGCTTCCGNA 660  
Db |||||  
QY 593 AGCAGACCTTACGCTGAGCAAGAGCAGACTACAGAAACACAAAGTCTACGCTTCCGNA 652  
QY 661 GTCAACCATCAGGGCTGAGCTCGCCCTCACAAGAGCTTCAACAGGGGAGAGTGT 718  
Db |||||  
QY 653 GTCAACCATCAGGGCTGAGCTCGCCCTCACAAGAGCTTCAACAGGGGAGAGTGT 710

Search completed: April 6, 2003, 12:53:07  
Job time : 75.3986 secs

GenCore version 5.1.3  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 6, 2003, 01:56:24 ; Search time 145.88 Seconds  
(without alignments)  
8604.535 Million cell updates/sec

Title: US-09-758-173-3  
Perfect score: 1431  
Sequence: 1 ATGAACACCTGTGTTCTT.....CCCTGCTCCGGTAAATGA 1431

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438583890 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq.\*  
2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq.\*  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*  
5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*  
6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq.\*  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq.\*  
8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*  
9: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*  
10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq.\*  
11: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*  
12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq.\*  
13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*  
14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1431	100.0	1431	9	US-10-124-905-3
2	1431	100.0	1431	9	US-09-948-429B-3
3	1429.4	99.9	1431	9	US-10-073-138-2
4	1315.8	91.9	1431	9	US-10-124-905-11
5	1315.8	91.9	1431	9	US-09-948-429B-11
6	1312.6	91.8	1431	9	US-10-073-138-6
7	1123.6	78.5	1428	10	US-09-740-002-17
8	1117.2	78.1	1437	9	US-10-124-905-7
9	1117.2	78.1	1437	9	US-09-948-429B-7
10	1117.2	78.1	1437	9	US-10-073-138-4
11	1113.4	77.8	1798	9	US-09-925-299-230
12	1113.4	77.8	1428	10	US-09-740-002-19
13	1112.4	77.7	1599	10	US-09-954-456-789
14	1102	77.0	1599	10	US-09-954-456-789
15	1102	77.0	1599	10	US-09-954-456-1604
16	1100.8	76.9	1427	12	US-10-066-895-20
17	1100.8	76.9	1427	12	US-10-066-895-25
18	1098.8	76.8	1449	10	US-09-747-669-1
19	1098.8	76.8	1449	10	US-09-747-669-2
c					

20 1097.6 75.7 1427 12 US-10-066-895-27 Sequence 27, Appl  
21 1092.8 76.4 6284 12 US-10-066-895-14 Sequence 14, Appl  
22 1092.2 76.3 1617 10 US-09-822-830A-571 Sequence 571, Appl  
23 1090.6 76.2 8120 9 US-09-726-258-68 Sequence 68, Appl  
24 1089.2 76.1 1356 10 US-09-822-698A-27 Sequence 27, Appl  
25 1088.8 76.1 1539 10 US-09-822-849A-87 Sequence 87, Appl  
26 1087.6 76.0 1615 10 US-09-822-849A-111 Sequence 111, Appl  
27 1087 76.0 9209 9 US-09-911-703-3 Sequence 3, Appl  
28 1087 76.0 9209 9 US-09-905-828-2 Sequence 2, Appl  
29 1087 76.0 15986 9 US-10-109-853-2 Sequence 2, Appl  
30 1086.8 75.9 1605 10 US-09-822-849A-103 Sequence 103, Appl  
31 1086 75.9 9182 9 US-09-822-830A-501 Sequence 501, Appl  
32 1083.8 75.7 9182 9 US-09-927-123-41 Sequence 41, Appl  
33 1081 75.5 1404 10 US-09-825-012-44 Sequence 10, Appl  
34 1078.4 75.4 2196 10 US-09-825-012-45 Sequence 44, Appl  
35 1078.4 75.4 2226 10 US-09-825-012-53 Sequence 45, Appl  
36 1078.4 75.4 2226 10 US-09-825-012-54 Sequence 53, Appl  
37 1078.4 75.4 2226 10 US-09-825-012-54 Sequence 54, Appl  
38 1078 75.3 1347 10 US-09-736-371B-20 Sequence 20, Appl  
39 1077.8 75.3 1565 10 US-09-822-849A-104 Sequence 104, Appl  
40 1072.8 75.0 2190 10 US-09-825-012-50 Sequence 50, Appl  
41 1072.8 75.0 2190 10 US-09-825-012-51 Sequence 51, Appl  
42 1072.8 75.0 2220 10 US-09-825-012-59 Sequence 59, Appl  
43 1072.8 75.0 2220 10 US-09-825-012-60 Sequence 60, Appl  
44 1072 74.9 2193 10 US-09-825-012-47 Sequence 47, Appl  
45 1072 74.9 2193 10 US-09-825-012-48 Sequence 48, Appl

## ALIGNMENTS

RESULT 1  
US-10-124-905-3  
; Sequence 3, Application US/10124905  
; Patent No. US20020166136A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Darrell R.  
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC TO HUMAN B7.1 AND/OR B7.2 PRMARTIZED FORMS THEREOF, AND USE THEREOF AS TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS TITLE OF INVENTION: IMMUNOSUPPRESSANTS"  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
; STREET: 699 Prince Street  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22314  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/124,905  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/383,916  
; FILING DATE:  
; APPLICATION NUMBER: US 08/487,550  
; FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Teskin, Robin L.  
; REGISTRATION NUMBER: 35,030  
; REFERENCE/DOCKET NUMBER: 012712-131  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-836-6620  
; TELEFAX: 703-836-2021  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1431 base pairs



NAME: Teskin, Robin L.  
REGISTRATION NUMBER: 35,030  
REFERENCE/DOCKET NUMBER: 012712-131  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-836-5620  
TELEFAX: 703-836-2021  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1431 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1431  
NAME/KEY: mat\_peptide  
LOCATION: 1..1431  
US-09-948-429B-3

Query Match 100.0%; Score 1431; DB 9; Length 1431;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1431; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 ATGAAACACCTGTGTTCTTCTCTCTCTGTGGCAGTCCAGATGGGTCTGTGCCAG 60
DB 1 ATGAAACACCTGTGTTCTTCTCTCTCTGTGGCAGTCCAGATGGGTCTGTGCCAG 60

QY 61 GTGAAGCTGCAGCAGTGGGGGAGGACTTCTGCAGCTTCGGAGACCTGTGCCGACC 120
DB 61 GTGAAGCTGCAGCAGTGGGGGAGGACTTCTGCAGCTTCGGAGACCTGTGCCGACC 120

QY 121 TGCCTTGTCTCTGTGGTCCATCAGCGGTTACTACTACTGACCTGGATCGGCAGACC 180
DB 121 TGCCTTGTCTCTGTGGTCCATCAGCGGTTACTACTACTGACCTGGATCGGCAGACC 180

QY 181 CCAGGAGGGAGCTGGAGTGAATTTATGTCATATTTATGTAATGTGGACCAACCACTAC 240
DB 181 CCAGGAGGGAGCTGGAGTGAATTTATGTCATATTTATGTAATGTGGACCAACCACTAC 240

QY 241 AATCCCTCCCTCAAGTTCAGTCCAGTCCACATTTCAAGACACGTCCAGAACCACTTCTTC 300
DB 241 AATCCCTCCCTCAAGTTCAGTTCAGTCCACATTTCAAGACACGTCCAGAACCACTTCTTC 300

QY 301 CTGAACCTTGAATTTCTGTACCGCGGACACGCGCGCTTATTACTGTGCGAGAGGCCCT 360
DB 301 CTGAACCTTGAATTTCTGTACCGCGGACACGCGCGCTTATTACTGTGCGAGAGGCCCT 360

QY 361 CGCCCTGATTGCACAAACATTTGTTATGGCGGCTGGGTGCGATGTGGGGCCCGGGAGAC 420
DB 361 CGCCCTGATTGCACAAACATTTGTTATGGCGGCTGGGTGCGATGTGGGGCCCGGGAGAC 420

QY 421 CTGCTCACCGTCTCTCTAGCTAGCACCAAGGCGCCATCGGCTTCCCGCTGGCACCTCC 480
DB 421 CTGCTCACCGTCTCTCTAGCTAGCACCAAGGCGCCATCGGCTTCCCGCTGGCACCTCC 480

QY 481 TCCAAGAGCACCTCTGGGGGACACAGCGCCCTCGGCTGCCTGTGTCAAGGACTACTTCCCC 540
DB 481 TCCAAGAGCACCTCTGGGGGACACAGCGCCCTCGGCTGCCTGTGTCAAGGACTACTTCCCC 540

QY 541 GAACCGGTGACGGTGTGTTGAACTCAGGGCCCTGACAGCGCGTGTGCACACCTTCCCG 600
DB 541 GAACCGGTGACGGTGTGTTGAACTCAGGGCCCTGACAGCGCGTGTGCACACCTTCCCG 600

QY 601 GCTGTCTACAGTCTCTAGGACTTACTCTCTAGCAGCGTGTGTGACGCTCCCTCCAGC 660
DB 601 GCTGTCTACAGTCTCTAGGACTTACTCTCTAGCAGCGTGTGTGACGCTCCCTCCAGC 660

QY 661 AGCTTGGGACCCAGACTTACATCTGCAACGTGAATCACAAGCCAGCAACCAAGGTG 720
DB 661 AGCTTGGGACCCAGACTTACATCTGCAACGTGAATCACAAGCCAGCAACCAAGGTG 720
```

```
QY 721 GACAAGAAAGCAGAGCCCAAAATCTTGTGACAAAACCTCACATGCCCCCAGCCGTCAGCA 780
DB 721 GACAAGAAAGCAGAGCCCAAAATCTTGTGACAAAACCTCACATGCCCCCAGCCGTCAGCA 780

QY 781 CCTGAACTCTCTGGGGGACCGTCACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 840
DB 781 CCTGAACTCTCTGGGGGACCGTCACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 840

QY 841 ATGATCTCCCGGACCCCTGAGTGCATGCGTGGTGGTGGAGCGTGAGCCAGCAAGACCT 900
DB 841 ATGATCTCCCGGACCCCTGAGTGCATGCGTGGTGGTGGAGCGTGAGCCAGCAAGACCT 900

QY 901 GAGGTCAAGTTCAACTGTCAGTGCAGCGGCTGGAGGTGCATAATGCCAAGACAAAGCG 960
DB 901 GAGGTCAAGTTCAACTGTCAGTGCAGCGGCTGGAGGTGCATAATGCCAAGACAAAGCG 960

QY 961 CGGAGGAGCAGTACAAACAGACAGTACCGTGTGTGTCAGGTCCTCACCGTCTGACCCAG 1020
DB 961 CGGAGGAGCAGTACAAACAGACAGTACCGTGTGTGTCAGGTCCTCACCGTCTGACCCAG 1020

QY 1021 GACTGGCTGAAATGCAAGGAGTACAAGTGCAAGGTCTCCAAACAAAGCCCTCCAGCCCCC 1080
DB 1021 GACTGGCTGAAATGCAAGGAGTACAAGTGCAAGGTCTCCAAACAAAGCCCTCCAGCCCCC 1080

QY 1081 ATCAGAAAAACCAATCTCCAAAGCCAAAGGGCAGCCCGGAGAACCCACAGGTGTACACCCTG 1140
DB 1081 ATCAGAAAAACCAATCTCCAAAGCCAAAGGGCAGCCCGGAGAACCCACAGGTGTACACCCTG 1140

QY 1141 CCCCATCCCGGATGAGCTGACCAAGAACCCAGGTGAGCTGAGCTGCTGCTGCTGCTGCTGCTG 1200
DB 1141 CCCCATCCCGGATGAGCTGACCAAGAACCCAGGTGAGCTGAGCTGCTGCTGCTGCTGCTGCTG 1200

QY 1201 TTCTATCCAGCGACATCGCGTGGAGTGGGAGAGCAATGGGAGCGCCGAGAACCAACTAC 1260
DB 1201 TTCTATCCAGCGACATCGCGTGGAGTGGGAGAGCAATGGGAGCGCCGAGAACCAACTAC 1260

QY 1261 AAGACACGCTCCCGTGTGACTCCGACGCTCTTCTTCTCTCTACAGCAAGCTCACC 1320
DB 1261 AAGACACGCTCCCGTGTGACTCCGACGCTCTTCTTCTCTCTACAGCAAGCTCACC 1320

QY 1321 GTGACAAAGCAGGTGGCAGCAGGGGAAACGTCTTCTCATCTGCTGCTGATGATGAGCT 1380
DB 1321 GTGACAAAGCAGGTGGCAGCAGGGGAAACGTCTTCTCATCTGCTGCTGATGATGAGCT 1380

QY 1381 CTGCACAAACCACTACACGCAAGAGAGCTCTCCCTGTCTCCGGGTAAATGA 1431
DB 1381 CTGCACAAACCACTACACGCAAGAGAGCTCTCCCTGTCTCCGGGTAAATGA 1431
```

## RESULT 3

US-10-073-138-2  
Sequence 2, Application US/10073138  
Publication No. US20020187146A1  
GENERAL INFORMATION:  
APPLICANT: ANDERSON, Darrell R.  
HANNA, Nabil  
BRAMS, Peter

TITLE OF INVENTION: IDENTIFICATION OF UNIQUE BINDING  
INTERACTIONS BETWEEN CERTAIN ANTIBODIES AND THE HUMAN B7  
AND B7.2 CO-STIMULATORY ANTIGENS

NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
STREET: P.O. Box 1404  
CITY: Alexandria  
STATE: Virginia  
COUNTRY: United States  
ZIP: 22313-1404

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30





TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,  
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS  
NUMBER OF SEQUENCES: 12  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
STREET: 699 Prince Street  
CITY: Alexandria  
STATE: VA  
COUNTRY: USA  
ZIP: 22314  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/948,429B  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/383,916  
FILING DATE:  
APPLICATION NUMBER: US 08/487,550  
FILING DATE: 07-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Teskin, Robin L.  
REGISTRATION NUMBER: 35,030  
REFERENCE/DOCKET NUMBER: 012712-131  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-836-6620  
TELEFAX: 703-836-2021  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1431 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1431  
FEATURE:  
NAME/KEY: mat peptide  
LOCATION: 1..1431  
US-09-948-429B-11

Db	301	CTGAAGCTGAATCTATGACCGCGGACACGCGCGTGTATTACTGTGTGAGAGATCGT	360
Qy	361	CGCCCTGATTCACAAACCATTTTATGCGGCTGGGTGATGTCTGGGCGCGGAGAC	420
Db	361	CTTTTTCAGTTGTTGGAATGGTTTACAAACCTGGTTCGATGTCTGGGCGCGGAGTC	420
Qy	421	CTGGTCACCGTCTCTCAGTAGCACAAGGGGCCCATCGGTCTTCCCTCCCTGGCACCTCC	480
Db	421	CTGGTCACCGTCTCTCAGTAGCACAAGGGGCCCATCGGTCTTCCCTCCCTGGCACCTCC	480
Qy	481	TCCAGAGCACCTCTGGGGGACAGGGCCCTGGGCTGCTGCTCAAGGACTACTTCCCT	540
Db	481	TCCAGAGCACCTCTGGGGGACAGGGCCCTGGGCTGCTGCTCAAGGACTACTTCCCT	540
Qy	541	GAACCGGTGACGGTGTCTGGGAACTCAGGCGCCCTGACAGCGGCGTGCACACCTCCG	600
Db	541	GAACCGGTGACGGTGTCTGGGAACTCAGGCGCCCTGACAGCGGCGTGCACACCTCCG	600
Qy	601	GCTGTCTCAGTCTCAGGACTCTACTCTCCTCAGCAGCGTGTGACCGTCCCTCCAGC	660
Db	601	GCTGTCTCAGTCTCAGGACTCTACTCTCCTCAGCAGCGTGTGACCGTCCCTCCAGC	660
Qy	661	AGCTTGGGACCCAGACCTACATCTGCAAGTGAATCACAAGCCAGCAACCAAGGTG	720
Db	661	AGCTTGGGACCCAGACCTACATCTGCAAGTGAATCACAAGCCAGCAACCAAGGTG	720
Qy	721	GACAAGAAAGCAGAGCCCAAAATCTTGTGACAAATCTCACATCCCAACCGTGCACGA	780
Db	721	GACAAGAAAGCAGAGCCCAAAATCTTGTGACAAATCTCACATCCCAACCGTGCACGA	780
Qy	781	CCTGAATCTCTGGGGGACCGTCACTTCTTCTTCCCTCCCAAAACCAAGGACCCCTC	840
Db	781	CCTGAATCTCTGGGGGACCGTCACTTCTTCTTCCCTCCCAAAACCAAGGACCCCTC	840
Qy	841	ATGATCTCCCGGACCCCTGAGGTACATGCTGTGTGTGTGTGTGTGTGTGTGTGTGT	900
Db	841	ATGATCTCCCGGACCCCTGAGGTACATGCTGTGTGTGTGTGTGTGTGTGTGTGTGT	900
Qy	901	GAGGTCAAGTTCAACTGGTACGTGGAGCGGCGTGGAGTGCATATGCAAGCAAGCGG	960
Db	901	GAGGTCAAGTTCAACTGGTACGTGGAGCGGCGTGGAGTGCATATGCAAGCAAGCGG	960
Qy	961	CGGAGGAGCAGTACAAACAGCAGTACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1020
Db	961	CGGAGGAGCAGTACAAACAGCAGTACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1020
Qy	1021	GACTGTGCTGAATGGCAAGGAGTCAAGTGCAGAGTCTTCAAAAGGCGCTCCAGCCCC	1080
Db	1021	GACTGTGCTGAATGGCAAGGAGTCAAGTGCAGAGTCTTCAAAAGGCGCTCCAGCCCC	1080
Qy	1081	ATCGAGAAAACCATCTCCAAAGCCAAAGGCGAGCCCGGAGAACCAAGGTGTACACCTG	1140
Db	1081	ATCGAGAAAACCATCTCCAAAGCCAAAGGCGAGCCCGGAGAACCAAGGTGTACACCTG	1140
Qy	1141	CCCCATCCCGGATGAGCTGACCAAGAACAGGTGAGCTGAGCTGAGCTGAGCTGAGCTG	1200
Db	1141	CCCCATCCCGGATGAGCTGACCAAGAACAGGTGAGCTGAGCTGAGCTGAGCTGAGCTG	1200
Qy	1201	TTCTATCCAGCGACATCGCGTGGAGTGGAGAGCAATGGGAGCCCGGAGAACCAACTAC	1260
Db	1201	TTCTATCCAGCGACATCGCGTGGAGTGGAGAGCAATGGGAGCCCGGAGAACCAACTAC	1260
Qy	1261	AAGACCAAGCTCCCGTGTGGACTCCGACGCGCTCTTCTTCTTCTTCTTCTTCTTCTT	1320
Db	1261	AAGACCAAGCTCCCGTGTGGACTCCGACGCGCTCTTCTTCTTCTTCTTCTTCTTCTT	1320
Qy	1321	GTGACCAAGAGCAGGTGGCAGCGGGAACGCTCTTCTTCTTCTTCTTCTTCTTCTTCTT	1380
Db	1321	GTGACCAAGAGCAGGTGGCAGCGGGAACGCTCTTCTTCTTCTTCTTCTTCTTCTTCTT	1380
Qy	1381	CTGCACAAACCACTACAGCAGAGAGCGCTCTCCCTGTCTCCGGGTAAATGA 1431	
Db	1381	CTGCACAAACCACTACAGCAGAGAGCGCTCTCCCTGTCTCCGGGTAAATGA 1431	











QY 361 TTCCGAGGAGGACCGGCTGACCGTCTTAGGTACGCCCAAGGCTGCCCCCTCGGTCACT 420  
Db 355 TTCCGAGGAGGACCGGCTGACCGTCTTAGGTACGCCCAAGGCTGCCCCCTCGGTCACT 414  
QY 421 CTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCAACAAGGCCACACACTGGTGTGTCTCATA 480  
Db 415 CTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCAACAAGGCCACACACTGGTGTGTCTCATA 474  
QY 481 AGTGACTTCTACCCGGAGCCGTGACAGTGGCTGGAAGGACAGATAGCAGCCCGTCAAG 540  
Db 475 AGTGACTTCTACCCGGAGCCGTGACAGTGGCTGGAAGGACAGATAGCAGCCCGTCAAG 534  
QY 541 GCGGGAGTGGAGACACACACCCCTCCAAACAAGCAACAAGTACGCGGCCAGCAGC 600  
Db 535 GCGGGAGTGGAGACACACACCCCTCCAAACAAGCAACAAGTACGCGGCCAGCAGC 594  
QY 601 TACCTGAGCTGAGCGCTGAGCAGTGGAGTCCCAAGAGCTTACAGTGCAGGTCAAG 660  
Db 595 TACCTGAGCTGAGCGCTGAGCAGTGGAGTCCCAAGAGCTTACAGTGCAGGTCAAG 654  
QY 661 CATGAGGAGGACACCGTGGAGAGACAGTGGCCCTTACAGAATGTTTCATGA 711  
Db 655 CATGAGGAGGACACCGTGGAGAGACAGTGGCCCTTACAGAATGTTTCATGA 705

RESULT 9  
US-10-001-857-108  
; Sequence 108, Application US/10001857  
; Publication No. US20020183500A1  
; GENERAL INFORMATION:  
; APPLICANT: Macina, Roberto  
; APPLICANT: Recipon, Hervé  
; APPLICANT: Chen, Sei-Yu  
; APPLICANT: Sun, Yongming  
; APPLICANT: Liu, Chenghua  
; TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes and Prob  
; FILE REFERENCE: DEX-0273  
; CURRENT APPLICATION NUMBER: US/10/001,857  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 60/252,054  
; PRIOR FILING DATE: 2000-11-20  
; NUMBER OF SEQ ID NOS: 208  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 108  
; LENGTH: 2112  
; TYPE: DNA  
; ORGANISM: Homo sapien  
; NAME/KEY: misc feature  
; LOCATION: (2005)..(2005)  
; OTHER INFORMATION: a, c, g or t  
US-10-001-857-108

Query Match 75.2%; Score 534.8; DB 9; Length 2112;  
Best Local Similarity 89.4%; Pred. No. 1.2e-157;  
Matches 601; Conservative 0; Mismatches 62; Indels 9; Gaps 2;

QY 44 TCCAGGTGACAGATGAGTCTGTCTCTGACACAGCCGCCCTCAGTCTCGGGCCCCCAG 103  
Db 794 TCCTAGGGTCTCGGGCCCACTGTGTGCTGACGACGCCCTCAGTCTCGGGCCCCCAG 853  
QY 104 GGCAGAGGTCCACCATCTCTGTGACTGGGAGCAGCTCCAAATTTGGAG-----GTTATG 157  
Db 854 GGCAGAGGTCCACCATCTCTGTGACTGGGAGCAGCTCCAAATTTGGAGTTATGACT 913  
QY 158 ATCTACATTTGGTACACAGCTCCAGGAAGCGGCCCAAACTCCTCATCTATGACATTA 217  
Db 914 ATGTACACTGGTACACAGCTTCCAGGAACAGCCCCCAAACTCATGATTTATGAGTGC 973  
QY 218 ACAAGGACCCCTCAGGAATTTCTGACCGATTTCTTGGCTCCAAAGTCTGGTACCGCGCCT 277  
Db 974 CTAAGCGACCCCTCAGGGGTTTCTGATCGCTTCTTGGCTCCAAAGTCTGGCAACACGCGCT 1033

QY 278 CCCTGGCCATCACTGGGCTCCAGACTGAGGATGAGGCTGATTATTACTGCCAGTCTCTATG 337  
Db 1034 CCCTGACCATCTCTGGGCTCCAGGCTGAGGACGAGGCTGATTATTACTGCTGCTCATATG 1093  
QY 338 ACAGAGCCCTGATGCTCAGGTATTTCGGAGGAGGACCGGCTGACCGTCTTAGGTTCAGC 397  
Db 1094 CAGGAGC---TACACTTGGGTGTTTCGGCGGAGGGACCAAGCTGACCGTCTTAGGTTCAGC 1150  
QY 398 CAAGGCTGCCCCCTCGGTCACTCTGTTCGCCGCCCTCTCTGAGGAGCTTCAAGCCCAACA 457  
Db 1151 CAAGGCTGCCCCCTCGGTCACTCTGTTCGCCGCCCTCTCTGAGGAGCTTCAAGCCCAACA 1210  
QY 458 AGGCCACACTGTGTGTCTCATAAGTGACTTCTACCCGGAGCCGTGACAGTGGCCTTGA 517  
Db 1211 AGGCCACACTGTGTGTCTCATAAGTGACTTCTACCCGGAGCCGTGACAGTGGCCTTGA 1270  
QY 518 AGGCAGATAGCAGCCCGTCAAGCGGGAGTGGAGACCAACACCCCTCCAAACAAGCA 577  
Db 1271 AGGCAGATAGCAGCCCGTCAAGCGGGAGTGGAGACCAACACCCCTCCAAACAAGCA 1330  
QY 578 ACAACAAGTACGCGGCAGCAGCTACCTGAGCCTGACGCTGAGCAGTGGAGTCCACACA 637  
Db 1331 ACNACAAGTACGCGGCAGCAGCTACCTGAGCCTGACGCTGAGCAGTGGAGTCCACACA 1390  
QY 638 GAAGCTACAGCTGCCAGGTCAAGCATGAAAGGGAGCAGCCGTGGAGAGACAGTGGCCCCCTA 697  
Db 1391 AAAGCTACAGCTGCCAGGTCAAGCATGAAAGGGAGCAGCCGTGGAGAGACAGTGGCCCCCTA 1450  
QY 698 CAGAATGTTTCAT 709  
Db 1451 CAGAATGTTTCAT 1462

RESULT 10  
US-09-954-456-788  
; Sequence 788, Application US/09954456  
; Patent No. US20020115057A1  
; GENERAL INFORMATION:  
; APPLICANT: Young, Paul  
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Ca  
; FILE REFERENCE: 689290-76  
; CURRENT APPLICATION NUMBER: US/09/954,456  
; CURRENT FILING DATE: 2001-09-18  
; PRIOR APPLICATION NUMBER: US/60/233,617  
; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: US/60/234,052  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,923  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,134  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,637  
; PRIOR FILING DATE: 2000-09-26  
; PRIOR APPLICATION NUMBER: US/60/235,638  
; PRIOR FILING DATE: 2000-09-26  
; PRIOR APPLICATION NUMBER: US/60/235,711  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,720  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,840  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: US/60/235,863  
; PRIOR FILING DATE: 2000-09-27  
; NUMBER OF SEQ ID NOS: 2276  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 788  
; LENGTH: 915  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-954-456-788

Query Match 74.9%; Score 532.2; DB 10; Length 915;  
Best Local Similarity 88.8%; Pred. No. 6.4e-157;  
Matches 589; Conservative 0; Mismatches 68; Indels 6; Gaps 1;  
QY 47 CAGGTGCACGATGTGAGTCTCTCTGACACAGCGCGCCTCAGTGTCTGGGGCCCCCAGGGC 106  
Db 158 CAGGGTCTTGGGCCAGTCTGTGCTGACTCAGCCACCCCTCAGCGTCTGGGACCCCGGGC 217  
QY 107 AGAAGGTCAACATCTCGTGACCTGGGAGCACCTCCAACTTATGAGGTTATGATCTACATT 166  
Db 218 AGAGGTCAACATCTCTTGTCTTGGAGCGCTCCAACTTATGAGGTTATGATCTACATT 277  
QY 167 GGTACACAGAGTCCAGGAAAGCGCCCCAACTCTCTATGACATTAACAAGCGAC 226  
Db 278 GGTACACAGAGTCCAGGAAAGCGCCCCAACTCTCTATGACATTAACAAGCGAC 337  
QY 227 CCTCAGGAATTTGACCGATTTCTTGCTGACCTGGGAGCACCTCCAACTTATGAGGTTATGATCTACATT 166  
Db 338 CTTACAGGGTCCCTGACCGATTCTTGCTGACCTGGGAGCACCTCCAACTTATGAGGTTATGATCTACATT 277  
QY 287 TCACTGGGCTCCAGACTGAGGATGAGCTGATTATTAATGACATTAACAAGCGAC 226  
Db 398 TCACTGGGCTCCAGACTGAGGATGAGCTGATTATTAATGACATTAACAAGCGAC 337  
QY 347 TGAATGCTCAGGATTTGACCGATTTCTTGCTGACCTGGGAGCACCTCCAACTTATGAGGTTATGATCTACATT 166  
Db 456 ----TACTGTGGTCTTCCGGCGGAGGACCAAGCTGACCGTCCCTGCTGACCGCCCAAGGCTG 511  
QY 407 CCCCCTCGGTCACTCTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCCCAAGGCGCAC 466  
Db 512 CCCCCTCGGTCACTCTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCCCAAGGCGCAC 571  
QY 467 TGGTGTCTCATAGTACTTCTACCCGGAGCGCTGACAGTGGCTTGAAGGCGAGATA 526  
Db 572 TGGTGTCTCATAGTACTTCTACCCGGAGCGCTGACAGTGGCTTGAAGGCGAGATA 631  
QY 527 GCAGCCCGTCAAGCGGAGTGAGACCAACACACCCCTCCAAACAAAGCAACAAAGT 586  
Db 632 GCAGCCCGTCAAGCGGAGTGAGACCAACACACCCCTCCAAACAAAGCAACAAAGT 691  
QY 587 ACGCGGCGAGAGTACCTGAGCTGACCTGAGGAGCGCTGAGAGTGGGAGGAGGAGTACA 646  
Db 692 ACGCGGCGAGAGTACCTGAGCTGACCTGAGGAGCGCTGAGAGTGGGAGGAGGAGTACA 751  
QY 707 CAT 709  
Db 812 CAT 814

RESULT 11  
US-09-880-107-3743  
; Sequence 3743, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Darci T.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Scherf, Uwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/09/880,107  
; CURRENT FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: US 60/211,379  
; PRIOR FILING DATE: 2000-06-14  
; PRIOR APPLICATION NUMBER: US 60/237,054  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 3950  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3743

; LENGTH: 915  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 X57809  
; US-09-880-107-3743  
Query Match 74.9%; Score 532.2; DB 10; Length 915;  
Best Local Similarity 88.8%; Pred. No. 6.4e-157;  
Matches 589; Conservative 0; Mismatches 68; Indels 6; Gaps 1;  
QY 47 CAGGTGCACGATGTGAGTCTCTCTGACACAGCGCGCCTCAGTGTCTGGGGCCCCCAGGGC 106  
Db 158 CAGGGTCTTGGGCCAGTCTGTGCTGACTCAGCCACCCCTCAGCGTCTGGGACCCCGGGC 217  
QY 107 AGAAGGTCAACATCTCGTGACCTGGGAGCACCTCCAACTTATGAGGTTATGATCTACATT 166  
Db 218 AGAGGTCAACATCTCTTGTCTTGGAGCGCTCCAACTTATGAGGTTATGATCTACATT 277  
QY 167 GGTACACAGAGTCCAGGAAAGCGCCCCAACTCTCTATGACATTAACAAGCGAC 226  
Db 278 GGTACACAGAGTCCAGGAAAGCGCCCCAACTCTCTATGACATTAACAAGCGAC 337  
QY 227 CCTCAGGAATTTGACCGATTTCTTGCTGACCTGGGAGCACCTCCAACTTATGAGGTTATGATCTACATT 166  
Db 338 CTTACAGGGTCCCTGACCGATTCTTGCTGACCTGGGAGCACCTCCAACTTATGAGGTTATGATCTACATT 277  
QY 287 TCACTGGGCTCCAGACTGAGGATGAGCTGATTATTAATGACATTAACAAGCGAC 226  
Db 398 TCACTGGGCTCCAGACTGAGGATGAGCTGATTATTAATGACATTAACAAGCGAC 337  
QY 347 TGAATGCTCAGGATTTGACCGATTTCTTGCTGACCTGGGAGCACCTCCAACTTATGAGGTTATGATCTACATT 166  
Db 456 ----TACTGTGGTCTTCCGGCGGAGGACCAAGCTGACCGTCCCTGCTGACCGCCCAAGGCTG 511  
QY 407 CCCCCTCGGTCACTCTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCCCAAGGCGCAC 466  
Db 512 CCCCCTCGGTCACTCTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCCCAAGGCGCAC 571  
QY 467 TGGTGTCTCATAGTACTTCTACCCGGAGCGCTGACAGTGGCTTGAAGGCGAGATA 526  
Db 572 TGGTGTCTCATAGTACTTCTACCCGGAGCGCTGACAGTGGCTTGAAGGCGAGATA 631  
QY 527 GCAGCCCGTCAAGCGGAGTGAGACCAACACACCCCTCCAAACAAAGCAACAAAGT 586  
Db 632 GCAGCCCGTCAAGCGGAGTGAGACCAACACACCCCTCCAAACAAAGCAACAAAGT 691  
QY 587 ACGCGGCGAGAGTACCTGAGCTGACCTGAGGAGCGCTGAGAGTGGGAGGAGGAGTACA 646  
Db 692 ACGCGGCGAGAGTACCTGAGCTGACCTGAGGAGCGCTGAGAGTGGGAGGAGGAGTACA 751  
QY 647 GCTGCCAGGTCAAGGAGGAGCACCGTGGAGAGACAGTGGCGCCCTTACAGAAATGTT 706  
Db 752 GCTGCCAGGTCAAGGAGGAGCACCGTGGAGAGACAGTGGCGCCCTTACAGAAATGTT 811  
QY 707 CAT 709  
Db 812 CAT 814

RESULT 12  
US-09-852-797-47  
; Sequence 47, Application US/09852797  
; Patent No. US20020172994A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 28 Human Secreted Proteins  
; FILE REFERENCE: PZ003P2  
; CURRENT APPLICATION NUMBER: US/09/852,797  
; CURRENT FILING DATE: 2001-05-11  
; PRIOR APPLICATION NUMBER: 60/265,583  
; PRIOR FILING DATE: 2001-02-02  
; PRIOR APPLICATION NUMBER: 09/152,060

```

; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: PCT/US98/04858
; PRIOR FILING DATE: 1998-03-12
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/040,762
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/040,710
; PRIOR FILING DATE: 1997-03-14
; PRIOR APPLICATION NUMBER: 60/050,934
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,100
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,357
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,189
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/057,765
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,368
; PRIOR FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
; LENGTH: 885
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-852-797-47

Query Match      68.1%; Score 484.2; DB 9; Length 885;
Best Local Similarity 80.9%; Pred. No. 6.8e-142;
Matches 564; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY   13  GCTCAGCTCCCTGGGCTCGTGTCTGCCTCCCAGGTGCACGATGTGAGTCGTGCCCTG 72
DB   30  GTTCTGTCTCTCTGACCCCTCTCACTACTCTGAGTGTCAGTGGTCAGGCGGCTG 89

QY   73  ACACAGCCGCCCCCTCAGTGTCTGGGGCCCCAGGSCAGAAGGTCAACCATCTCTGTGCACCTGGG 132
DB   90  ACTCAGCCCCCTCGTGTGTTCCAAGAGCTTGAAGACAGCCGCCACACTCACTTCGACCGGG 149

QY   133 AGCACTCGAATTGGAGGTATGATCTACATTGGTACCAGAGCTCCAGAAACGGCC 192
DB   150 AACACAACAATGTTGGCACCAAGGAGAGCTTGGCTGTCAGCAGCAGCCGACCTG 209

QY   193 CCCAACTCCCTCATCTATGACATTAACAAGCGACCCTCAGGAATTTCTGACCGATTCTCT 252
DB   210 CCCAACTCCCTCATCTGCTACAGGAATAATAACCGGCCCTCAGGGATCTCAGAGATTATCT 269

QY   253 GGCTCCAAAGTCTGTGTAACCGCGGCTCCCTGGCCCACTCACTGGCTCCAGACTGAGGATGAG 312
DB   270 GCATCCAGGTGAGAGCCACATCTCTCTGACCATTTACTGGACTCCAGCTGAGGACGAG 329

QY   313 GCTGATTATTACTGCAGTCTCTATGACAGCAGCCTGAATGCTCAGGATTTTCGAGAGAGGG 372
DB   330 GCTGACTATTACTGGCGCAGCATATGACAGCAGCCTCGCAGTTTGGATGTTTCGGCGGAGGG 389

QY   373 ACCCGCTGACCGTCTTAGTTCAGCCCAAGGCTGCCCCCTCGGTCACTCTGTTCCGCCCC 432
DB   390 ACCAAGCTGACCGTCTTAGTTCAGCCCAAGGCTGCCCCCTCGGTCACTCTGTTCCCAACC 449

QY   433 TCCTCTGAGGAGCTTCAAGCCCAACAGGCGCACACTGGTGTGTCATCAAGTGAATTTCTAC 492
DB   450 TCCTCTGAGGAGCTTCAAGCCCAACAGGCGCACACTGGTGTGTCATCAAGTGAATTTCTAC 509

QY   493 CCGGAGCGCTGACAGTGCCTGGAAGGAGAGATAGCAGCCCCCTGCAAGCGGGAGTGAG 552
DB   510 CGGGAGCGCTGACAGTGCCTGGAAGGAGAGATAGCAGCCCCCTGCAAGCGGGAGTGAG 569

QY   553 ACCACCAACCCCTCCAAAACAAGCAACAAGTAGCGGCGCAGAGCTACCTGAGCCTG 612
DB   570 ACCACCAACCCCTCCAAAACAAGCAACAAGTAGCGGCGCAGAGCTACCTGAGCCTG 629

```

Db 270 GCATCCAGGTCAGAGCCACATCTCTCCCTGACCATTAATGGAATCCAGCCTGAGGACGAG 329  
Qy 313 GCTGATTTACTGCGAGTCCATATGACAGAGCCTGAATGCTCAGGTATTCGGAGGAGGG 372  
Db 330 GCTGACTATTACTGCGCAGCATATGACAGAGCCTCGCAGTTTGGATGTTTCGGCGGAGGG 389  
Qy 373 ACCCGGCTGACCGTCTCTAGGTGAGCCCAAGGGTGCCTCCCTCGGTCACTCTGTTCCTCCGCCC 432  
Db 390 ACCAAGCTGACCGTCTCTAGGTGAGCCCAAGGGTGCCTCCCTCGGTCACTCTGTTCCTCCACCC 449  
Qy 433 TCCTCTGAGGAGCTTCAAGCCCAAGAGCCACACTGGTGTCTCTAATAGTACTTCTTAC 482  
Db 450 TCCTCTGAGGAGCTTCAAGCCCAAGAGCCACACTGGTGTCTCTAATAGTACTTCTTAC 509  
Qy 493 CGGGAGCGCTGACAGTGCCTTGGAGGAGCAGATAGCAGCCCGCTCAAGCGGGAGTGGAG 552  
Db 510 CGGGAGCGCTGACAGTGCCTTGGAGGAGCAGATAGCAGCCCGCTCAAGCGGGAGTGGAG 569  
Qy 553 ACCACCACACCTTCCAAACAAAGCCCAAGAGTACGCGGCCAGCAGCTACCTGAGCCTG 612  
Db 570 ACCACCACACCTTCCAAACAAAGCCCAAGAGTACGCGGCCAGCAGCTACCTGAGCCTG 629  
Qy 613 AGCCTGAGCAGTGAAGTCCACAGAGCTACAGCTGCGAGTCAAGATGAAGGAGC 672  
Db 630 AGCCTGAGCAGTGAAGTCCACAAAGCTACAGCTGCGAGTCAAGATGAAGGAGC 689  
Qy 673 ACCGTGGAGAGACAGTGGCCCTTACAGAAATGTTTCAT 709  
Db 690 ACCGTGGAGAGACAGTGGCCCTTACAGAAATGTTTCAT 726

RESULT 14

US-09-852-659A-47  
; Sequence 47, Application US/09852659A  
; Patent No. US20020077287A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 28 Human Secreted Proteins  
; FILE REFERENCE: PZ003P4  
; CURRENT APPLICATION NUMBER: US/09/852,659A  
; CURRENT FILING DATE: 2001-05-11  
; PRIOR APPLICATION NUMBER: 60/265,583  
; PRIOR FILING DATE: 2001-02-02  
; PRIOR APPLICATION NUMBER: 09/152,060  
; PRIOR FILING DATE: 1998-09-11  
; PRIOR APPLICATION NUMBER: PCT/US98/04858  
; PRIOR FILING DATE: 1998-03-12  
; PRIOR APPLICATION NUMBER: 60/040,762  
; PRIOR FILING DATE: 1997-03-14  
; PRIOR APPLICATION NUMBER: 60/040,710  
; PRIOR FILING DATE: 1997-03-14  
; PRIOR APPLICATION NUMBER: 60/050,934  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,100  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,357  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,189  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/057,765  
; PRIOR FILING DATE: 1997-09-05  
; PRIOR APPLICATION NUMBER: 60/048,970  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/068,368  
; PRIOR FILING DATE: 1997-12-19  
; NUMBER OF SEQ ID NOS: 121  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 47  
; LENGTH: 885  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-852-659A-47

Query Match 68.1%; Score 484.2; DB 10; Length 885;  
Best Local Similarity 80.9%; Pred. No. 6.8e-142;  
Matches 564; Conservative 0; Mismatches 133; Indels 0; Gaps 0;  
Qy 13 GCTCAGTCTCTGGGGTCTCTGTCTCTCTGGCTCCAGGTGACAGATGTAGTCTGTCTCTG 72  
Db 30 GTTCTGTCTCTCTGACCCCTCTCACTCTCTCAGTGTCTCAGTGGTCCAGGAGGGCTG 89  
Qy 73 ACACAGCGCGCTCAGTGTCTGGGGCCCGAGGCGAGAGGTCCACATCTCTGTGCACTGGG 132  
Db 90 ACTCAGCCCCCTCGGTGTCAAGGACTTGAAGACAGCCGCCACACTCACTCTGCAACGGG 149  
Qy 133 AGCACCTCCCAACATTGGAGGTTATGATCTATCATTTGGTACCAGCAGCTCCCAAGAAACGGCC 192  
Db 150 AACAAACAATGTTGGCGACCAAGGAGCAGCTTTGGCTGCAGCAGCACACAGGCCACCCCT 209  
Qy 193 CCNAACCTCTCATCTATGACATTAAACAGGACCCCTCAGGAATTTCTGACCGATTTCTCT 252  
Db 210 CCNAACCTCTCTCTACAGGAATAATAACCGGCCCTCAGGGATCTCTAGAGAGATATCTCT 269  
Qy 253 GGCTCCAAAGTCTGTACCGCGGCTCTCTGCGCATCACTGGGCTCCAGCTGAGGATGAG 312  
Db 270 GCATCCAGGTGAGGAGCCACATCTCTCTGACCATTAATGAGCTCCAGCTGAGGACGAG 329  
Qy 313 GCTGATTTACTGCGCAGTCTCTATGACAGCAGCCTGAAATGCTCAGGTATTCGGAGGAGGG 372  
Db 330 GCTGACTATTACTGCGCAGCATATGACAGCAGCCTCGCAGTTTGGATGTTTCGGCGGAGGG 389  
Qy 373 ACCCGGTGACCGTCTCTAGGTGAGCCCAAGGTGCGCCCTCGGTCACTCTGTCTCCGCGCC 432  
Db 390 ACCAAGCTGACCGTCTCTAGGTGAGCCCAAGGTGCGCCCTCGGTCACTCTGTCTCCCAAGCC 449  
Qy 433 TCCTCTGAGGAGCTTCAAGCCCAAGGCGCAGATAGCAGCCCGTCAAGCGGAGTGGAG 552  
Db 510 CCGGAGCCGTGACAGTGGCTTGGAGGCGAGATAGCAGCCCGTCAAGCGGAGTGGAG 569  
Qy 553 ACCACACACCTTCCAAACAAAGCAACAAAGTACGGGGCCAGCAGCTACCTGAGCCTG 612  
Db 570 ACCACACACCTTCCAAACAAAGCAACAAAGTACGGGGCCAGCAGCTACCTGAGCCTG 629  
Qy 613 AGCCTGAGCAGTGAAGTCCACAGAGCTACAGCTGCCAGGTCAAGCATGAAGGGAGC 672  
Db 630 AGCCTGAGCAGTGAAGTCCCAAAAGCTACAGCTGCCAGGTCAAGCATGAAGGGAGC 689  
Qy 673 ACCGTGGAGAGACAGTGGCCCTTACAGAAATGTTTCAT 709  
Db 690 ACCGTGGAGAGACAGTGGCCCTTACAGAAATGTTTCAT 726

RESULT 15

US-09-852-797-29  
; Sequence 29, Application US/09852797  
; Patent No. US20020172994A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 28 Human Secreted Proteins  
; FILE REFERENCE: PZ003P2  
; CURRENT APPLICATION NUMBER: US/09/852,797  
; CURRENT FILING DATE: 2001-05-11  
; PRIOR APPLICATION NUMBER: 60/265,583  
; PRIOR FILING DATE: 2001-02-02  
; PRIOR APPLICATION NUMBER: 09/152,060  
; PRIOR FILING DATE: 1998-09-11  
; PRIOR APPLICATION NUMBER: PCT/US98/04858  
; PRIOR FILING DATE: 1998-03-12  
; PRIOR APPLICATION NUMBER: 60/040,762  
; PRIOR FILING DATE: 1997-03-14  
; PRIOR APPLICATION NUMBER: 60/040,710  
; PRIOR FILING DATE: 1997-03-14



Search completed: April 6, 2003, 12:53:15  
Job time : 74.4811 secs

```
; PRIOR APPLICATION NUMBER: 60/050,934
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,100
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,357
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/048,189
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: 60/057,765
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/048,970
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,368
; PRIOR FILING DATE: 1997-12-19
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 879
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-852-797-29

Query Match      67.9%; Score 482.6; DB 9; Length 879;
Best Local Similarity 80.8%; Pred. No. 2.1e-141;
Matches 563; Conservative 0; Mismatches 134; Indels 0; Gaps 0;

Qy 13 GCTCAGCTCCCTGGGCTCTCTGTCTGTGGTCCAGGTGCACGATGTGAGTCTGTCTCTG 72
Db 22 GTTCTGCTCCCTGACCTCTCTCACTCACTCTGAGTGTGAGTGTCCAGGCGGGCTG 81
Qy 73 ACACAGCGCGCTCAGTGTCTGGGGCCCCAGGGGAGAGGTCAACATCTCTGTGCACTGGG 132
Db 82 ACTCAGCCCCCTCGGTGTCAAGGACTTGAGACAGACCGCCACACTCACCTGCACCCGG 141
Qy 133 AGCACCTCCAACTTGGAGTTATGATCTACATTTGGTACACAGCAGCTCCAGGACGGCC 192
Db 142 AACAAACAATGTGGCGACCAAGGAGCAGCTTTGGTTCAGCAGCACAGGGGCCACCT 201
Qy 193 CCCAACTCCTCATCTATGACATTAACAAGCGACCCCTCAGGAATTTCTGACCGATTCTCT 252
Db 202 CCCAACTCCTGTCTCTACAGGAATAATAACCGGCCCTCAGGGATCTCAGAGAGATTATCT 261
Qy 253 GGCTCCAAGTCTGTACCGCGGCTCTCTGGCCATCACTGGGCTCCAGACTGAGGATGAG 312
Db 262 GCATCCAGGTCAGGAGCCACATCTCTCCCTGACCATTACTGGACTCCAGCTGAGACGAG 321
Qy 313 GCTGATTATTACTGCACTCTCTATGACAGCAGCCTGATGCTCAGGTATTCGGAGGAGG 372
Db 322 GCTGACTATTACTGGCGAGCATATGACAGCAGCCTTCGAGTTTGGATGTTGGGGGAGG 381
Qy 373 ACCGGGTGACCGTCTTAGGTGAGCCCAAGGTGCCCCCTCGGTCACTCTGTTCGCCGCC 432
Db 382 ACCAAGCTGACCGTCTTAGGTGAGCCCAAGGTGCCCCCTCGGTCACTCTGTTCGCCGCC 441
Qy 433 TCCTCTGAGGAGCTTCAAGCCAAAGGCCACACTGGTGTGTCTCATAGTGACTTCTAC 492
Db 442 TCCTCTGAGGAGCTTCAAGCCAAAGGCCACACTGGTGTGTCTCATAGTGACTTCTAC 501
Qy 493 CCGGAGCGGTGACAGTGGCTTGAAGGCAGATAGCAGCCCGCTCAAGCGGGAGTGGAG 552
Db 502 CCGGAGCGGTGACAGTGGCTTGAAGGCAGATAGCAGCCCGCTCAAGCGGGAGTGGAG 561
Qy 553 ACCACCAACCCCTCCAAACAAGCAACAAGTACCGGGCCAGCAGCTACTCTGAGCCTG 612
Db 562 ACCACCAACCCCTCCAAACAAGCAACAAGTACCGGGCCAGCAGCTACTCTGAGCCTG 621
Qy 613 ACGCTGAGCAGTGGAGTCCCAAGAGCTACAGTGGCCAGGTCAAGCATGAAGGGAGC 672
Db 622 ACGCTGAGCAGTGGAGTCCCAAGAGCTACAGTGGCCAGGTCAAGCATGAAGGGAGC 681
Qy 673 ACCGTGAGAGACAGTGGCCCTTACAGATGTTTCAT 709
Db 682 ACCGTGAGAGACAGTGGCCCTTACAGATGTTTCAT 718
```



GenCore version 5.1.3  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 6, 2003, 01:56:24 ; Search time 146.491 Seconds  
(without alignments)  
8604.535 Million cell updates/sec

Title: US-09-758-173-7  
Perfect score: 1437  
Sequence: 1 ATGGGTGAGCCTCATCTT.....CCCTGCTCGGGTAATGA 1437

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438593890 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA:\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*
- 12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*
- 13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	1437	100.0	1437	9	US-10-124-905-7
2	1437	100.0	1437	9	US-09-948-429B-7
3	1437	100.0	1437	9	US-10-073-138-4
4	1216	84.6	1616	10	US-09-822-830A-572
5	1186	82.5	1798	9	US-09-925-299-230
6	1186	82.5	1798	10	US-09-925-299-230
7	1171.4	81.5	1427	12	US-10-066-895-25
8	1171.4	81.5	1427	12	US-10-066-895-27
9	1169.8	81.4	1427	12	US-10-066-895-20
10	1165.4	81.1	1615	10	US-09-822-849A-111
11	1163	80.9	1617	10	US-09-822-830A-571
12	1158.4	80.6	6284	12	US-10-066-895-14
13	1142.8	79.5	1598	10	US-09-822-849A-103
14	1142.8	79.5	1634	10	US-09-822-830A-303
15	1141.4	79.4	1356	10	US-09-822-698A-27
16	1138.6	79.2	1347	10	US-09-736-371B-20
17	1138.6	79.2	1590	10	US-09-822-849A-114
18	1138.6	79.2	1640	10	US-09-822-849A-321
19	1133.4	78.9	1599	10	US-09-954-456-789

20	1133.4	78.9	1599	10	US-09-954-456-1604
21	1130.2	78.6	1449	10	US-09-747-669-1
22	1130.2	78.6	1449	10	US-09-747-669-2
23	1129.2	78.6	9182	9	US-09-927-122-41
24	1127.4	78.5	9209	9	US-09-911-703-3
25	1127.4	78.5	9209	9	US-09-905-928-2
26	1127.4	78.5	18986	9	US-10-109-853-2
27	1120.6	78.0	1404	10	US-09-825-012-10
28	1120.6	78.0	8120	9	US-09-726-258-68
29	1118.8	77.9	1431	9	US-10-073-138-2
30	1118.2	77.8	1428	10	US-09-740-002-19
31	1118	77.8	2196	10	US-09-825-012-44
32	1118	77.8	2196	10	US-09-825-012-45
33	1118	77.8	2226	10	US-09-825-012-53
34	1118	77.8	2226	10	US-09-825-012-54
35	1117.2	77.7	1431	9	US-10-124-905-3
36	1117.2	77.7	1431	9	US-09-948-429B-3
37	1114.2	77.5	1605	10	US-09-822-830A-501
38	1113.4	77.5	1428	10	US-09-740-002-17
39	1112.4	77.4	1431	9	US-10-124-905-11
40	1112.4	77.4	1431	9	US-09-948-429B-11
41	1112.4	77.4	2190	10	US-09-825-012-50
42	1112.4	77.4	2190	10	US-09-825-012-51
43	1112.4	77.4	2220	10	US-09-825-012-59
44	1112.4	77.4	2220	10	US-09-825-012-60
45	1111.6	77.4	2193	10	US-09-825-012-47

ALIGNMENTS

RESULT 1  
US-10-124-905-7  
; Sequence 7, Application US/10124905  
; Patent No. US20020166136A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Darrell R.  
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,  
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS  
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
; STREET: 699 Prince Street  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22314  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patencin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/124,905  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/383,916  
; FILING DATE:  
; APPLICATION NUMBER: US 08/487,550  
; FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Teskin, Robin L.  
; REGISTRATION NUMBER: 35,030  
; REFERENCE/DOCKET NUMBER: 012712-131  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-836-6620  
; TELEFAX: 703-836-2021  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1437 base pairs

Sequence 1604, Ap  
Sequence 1, Appli  
Sequence 2, Appli  
Sequence 41, Appli  
Sequence 3, Appli  
Sequence 2, Appli  
Sequence 10, Appli  
Sequence 68, Appli  
Sequence 2, Appli  
Sequence 19, Appli  
Sequence 44, Appli  
Sequence 45, Appli  
Sequence 53, Appli  
Sequence 54, Appli  
Sequence 3, Appli  
Sequence 3, Appli  
Sequence 501, App  
Sequence 17, Appli  
Sequence 11, Appli  
Sequence 11, Appli  
Sequence 50, Appli  
Sequence 51, Appli  
Sequence 59, Appli  
Sequence 60, Appli  
Sequence 47, Appli

```

; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1437
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..1437
; US_10-124-805-7

```

Query Match 100.0%; Score 1437; DB 9; Length 1437;

Qy	1	ATGGGTTGGAGCCTCATCTTTGCTCTTTCTTGTCGTGTTGCTACGCGTGTCCAGTGTGAG	60
Db	1	ATGGGTTGGAGCCTCATCTTTGCTCTTTCTTGTCGTGTTGCTACGCGTGTCCAGTGTGAG	60
Qy	61	GTGCAACTGTGTGGAGTCTGGGGGAGCGTTGGTCCAGCCCTGGGGGTCCCTGAGAGTCTCC	120
Db	61	GTGCAACTGTGTGAGTCTGGGGGAGCGTTGGTCCAGCCCTGGGGGTCCCTGAGAGTCTCC	120
Qy	121	TGTGCAGTCTCTGGATTCACTTTCACTGAGACCACTA CATGTATTGGTTTCGGCAGGCTCCA	180
Db	121	TGTGCAGTCTCTGGATTCACTTTCACTGAGACCACTA CATGTATTGGTTTCGGCAGGCTCCA	180
Qy	181	GGGAGGGGCGGGAATGGGTAGGTTCATTAGAAAAAACAACCGAACGGTGGGACACAGAA	240
Db	181	GGGAGGGGCGGGAATGGGTAGGTTCATTAGAAAAAACAACCGAACGGTGGGACACAGAA	240
Qy	241	TAGCCCGCGTCTGTGAAAGACAGATTCAACCATCTCCAGAGATGATTCCAAAAGCATCGCC	300
Db	241	TAGCCCGCGTCTGTGAAAGACAGATTCAACCATCTCCAGAGATGATTCCAAAAGCATCGCC	300
Qy	301	TATCTGCAAAATGACGACCGCTGAAAATCGAGGACACGGCCGTCTATTACTGTACTACATCC	360
Db	301	TATCTGCAAAATGACGACCGCTGAAAATCGAGGACACGGCCGTCTATTACTGTACTACATCC	360
Qy	361	TACATTTACATTTGTCCGGGTGTGTCTGTCTATGAGAGTTACTTTCGAAATTCCTGGGGCCAG	420
Db	361	TACATTTACATTTGTCCGGGTGTGTCTGTCTATGAGAGTTACTTTCGAAATTCCTGGGGCCAG	420
Qy	421	GGGCGCTGTGTCAACCGTCTCCTCAGCTAGACCAACGAGGGCCATCGGTCTTCCCTGTGGCA	480
Db	421	GGGCGCTGTGTCAACCGTCTCCTCAGCTAGACCAACGAGGGCCATCGGTCTTCCCTGTGGCA	480
Qy	481	CCCTCTCTCAAGACACCTCTGGGGGACACGGCCCTCTGGGTGCTGTCTGAGGACTAC	540
Db	481	CCCTCTCTCAAGACACCTCTGGGGGACACGGCCCTCTGGGTGCTGTCTGAGGACTAC	540
Qy	541	TTCCCGCGAAACCGGTGACCGTGTCTGTGAAATCTAGAGGGCCCTGACACGCGCGTGCACACC	600
Db	541	TTCCCGCGAAACCGGTGACCGTGTCTGTGAAATCTAGAGGGCCCTGACACGCGCGTGCACACC	600
Qy	601	TTCCCGCGTGTCTTACAGTCTCTCAGGACTCTA CTCTCCCTCAGCAGCGTGTGACCGTGC	660
Db	601	TTCCCGCGTGTCTTACAGTCTCTCAGGACTCTA CTCTCCCTCAGCAGCGTGTGACCGTGC	660
Qy	661	TCCAGCAGCTTGGGCAACCCAGACCTACATCTGAAACGTGAATCACAAGGCCACGACACACC	720
Db	661	TCCAGCAGCTTGGGCAACCCAGACCTACATCTGAAACGTGAATCACAAGGCCACGACACACC	720
Qy	721	AAGGTGGACAAAGAAAGCAGAGCCAAATCTTTGTGACAAAACTCACATGCCACCGTGC	780
Db	721	AAGGTGGACAAAGAAAGCAGAGCCAAATCTTTGTGACAAAACTCACATGCCACCGTGC	780
Qy	781	CCAGCACTGAACTCTCTGGGGGACCGTCACTCTTCTCTTCCGCCCAAAACCCAGGAC	840
Db	781	CCAGCACTGAACTCTCTGGGGGACCGTCACTCTTCTCTTCCGCCCAAAACCCAGGAC	840
Qy	841	ACCCTCATGATCTCTCCCGGACCCCTGAGGTCACATGTGGTGTGTGAGCGTGTGAGCCACGAA	900





```

; CURRENT APPLICATION NUMBER: US/09/822,830A
; CURRENT FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,604
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 631
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 572
; LENGTH: 1616
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: 1326,1377,1440,1579,1580
; OTHER INFORMATION: n=a,c,g, or t
US-09-822-830A-572

Query Match      84.6%;   Score 1216;   DB 10;   Length 1616;
Best Local Similarity 91.0%;   Pred.No. 0;
Matches 1307;   Conservative 0;   Mismatches 118;   Indels 12;   Gaps0

Qy 1  ATGGGTTGGAGCCTCATCTTGCTCTTCCTTGTGCGCTGTGCTACGGGTGTCCAGTGTGAG 60
Db 66  ATGGAGTTTGGCCTTAGCTGGGTTTCTTGTTGCTATTTTAAAGGTGTCCAATGTGAG 125

Qy 61  GTGCAACTGTGTGGAGTCTGGGGGAGGCTTGGTCAGCGCTGGCGGGTCCCTGAGAGTCTCC 120
Db 126  GTGCAGCTGTGTGGAGTCTGGGGGAGGCTGATACAACAGGGCGGTCCCTGAGACTCTCC 185

Qy 121  TGTCAAGTCTCTGATTTCACTTCAGTGACCACATCAATGTTATTTGGTTTCGCCAGGCTCCA 180
Db 186  TGCAGAGGTTCTGGAATTCCTGTTGGTGTATTTGGTGTGAGCTGGGTTCGCCAGGCTCCA 245

Qy 181  GGGAAAGGGCGCGGAATGGGTAGGTTTCATTAGAAAAAACAACCGGAACCGTGGGACCAACAGAA 240
Db 246  GGGAAAGGGCTGGAGTGGGTAGGTCATCGAGAACCGAGGCTTATGGTGGGACAGAAAT 305

Qy 241  TACGCCGCGTCTGTGAAGAAGACAGATTCAATCTCCAGAGATGATTTCCAAAAGCATCGCC 300
Db 306  TACGCCGCGTCTGTGACGGGCAGATTCAACCATCTCAAGAGATGATTTCCAAAGGCATCGCC 365

Qy 301  TATCTGCAATATGACAGCCTGAAATCGAGGACACGGCGCTATTACTGTACTACATCC 360
Db 366  TATCTGAGATGAGCAGCCTGAAACCAGGACACAGGCGCTTATCACTGTAGTA----- 420

Qy 361  TACATTTACATTTCTCGGGGTGGTGTCTGTCTATGGAGGTTACTTTCGAATTTCTGGGGCCAG 420
Db 421  -----AACATTACTATGATGATACTGGTTATCAAGATCTTCAACACTGGGGCGAG 473

Qy 421  GGCGCCTGTGTACCGTCTCTCTCAGTGTAGACCAAGAGGCCATCGGTCTTCCCCCTGGCA 480
Db 474  GGCACCCCTGGTCACTGTCTCTCAGCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCA 533

Qy 481  CCCTCTTCCAAGACCACTCTGGGGGACAGCGGCCCTTGGGCTGGCTGTCAAGAGCTAC 540
Db 534  CCCTCTTCCAAGAGACCTCTGGGGGACAGCGGCCCTTGGGCTGGCTGTCAAGAGCTAC 593

Qy 541  TTCCCCGAAACCGGTGACGGTGTCTGTGAATCTAGGGCGCCCTGACACAGCGCGTGCACACC 600
Db 594  TTCCCCGAAACCGGTGACGGTGTCTGTGAATCTAGGGCGCCCTGACACAGCGCGTGCACACC 653

Qy 601  TTCCCGGCTGTCTCAAGTCTCTCAGGACTCTACTCTCCCTCAGCAGCGTGTGACCGGTGCC 660
Db 654  TTCCCGGCTGTCTCAAGTCTCTCAGGACTCTACTCTCCCTCAGCAGCGTGTGACCGGTGCC 713

Qy 661  TCCAGCAGCTTGGGCACCCAGACCTACATCTGCAACGTGAAATCAAGGCCACAGCAACCC 720
Db 714  TCCAGCAGCTTGGGCACCCAGACCTACATCTGCAACGTGAAATCAAGGCCACAGCAACCC 773

Qy 721  AAGGTGGACAAAGAAGCAGAGCCCAATCTTGTGACAAAACCTCACACATGCCCCACCGTGC 780
Db 774  AAGGTGGACAAAGAGAGTTGAGCCCAATCTTGTGACAAAACCTCACACATGCCCCACCGTGC 833

Qy 781  CCAGCAGCTGAATCTCTGGGGGACCGGTCAAGTCTTCTCTTCCCCCAGAAACCCAAAGAC 840

```













ORGANISM: Homo sapiens  
US-09-822-849A-111

Query Match 81.1%; Score 1165.4; DB 10; Length 1615;  
Best Local Similarity 89.5%; Pred. No. 3.2e-313; Indels 10; Gaps 3;  
Matches 1290; Conservative 0; Mismatches 141;

```
QY 1 ATGGGTGGAGCCTCATCTTGTCTCTTCCTTGTGCTGTGCTACGCGTGTCCAGTGTGAG 60
DB 54 ATGGAGTTGGGGCTGTGCTGGGTTTCTCTTGTGCTATTTAGAAAGGTGTCGGGTGTGAG 113
QY 61 GTGCAACTGGTGAGTCTGGGGAGGCTTGGTCCAGCCTGGCGGTGCTTCCAGAGTCTCC 120
DB 114 GTGCAGCTGGTGACTCTGGGGAGGCTTGGCTCAGCCTGGAGGGTCCCTGAGACTCTCC 173
QY 121 TGTGCACTCTGTGAATTCACCTTTCACTGACCACTACATGTTATTTGGTTCGCGCAGGCTCCA 180
DB 174 TGTGAAGCTCTGTGAATTCACCTTCGGACCTTTTGAATCACTGGGTTCGCGCAGGCTCCA 233
QY 181 GGGNAGGGGCGGAATGGGTAGGTTTCATTAGAAAACAAACCGAAACGGTGGGACAAAGAA 240
DB 234 GGGNAGGGGCTGGAATGGATCTCATATTT-----AATACTAATGGTTTACCAATAT 287
QY 241 TACGCGCGCTCTGTGAAAGACAGATTCACCATCTCCAGAGATGATTTCCAAAAGCATCGCC 300
DB 288 TATGCAGACTCTGTGAGGGCGCATTCAGCATCTCCAGAGACAACTCCAGAAACTCGGTG 347
QY 301 TATCTGCAATTCAGAGCCTGAAAATTCGAGGACACGGCCGTCTATTACTGTACTA--CA 357
DB 348 TATCTGCAATTCAGAGCTGAGAGTCTGGGGACACGGCTATTATTCTTCTGCTGAGAGAA 407
QY 358 TCCTACATTTACATTTGTCGGGGTGTGTCTGCTATGAGAGTTACTTCGAATTTCTGGGC 417
DB 408 AGTTATTACTATGATTCAGAGTGAATTTTATTCTGTGAGGGGCTTTGATCTCTGGGC 467
QY 418 CAGGGCGGCTCTGCTCAACCGTCTCTCAGCTAGCAGCAACCAAGGGCCATCGGTCTTCCCGTG 477
DB 468 CAAGGAGCAATGTCTACCGTCTCTCAGCTCCACCAAGGGCCATCGGTCTTCCCGCTG 527
QY 478 GCACCTCTCTCAAGAGCACCTCTGGGGGACAGCGGCCCTGGGCTGCTGTCTCAAGAC 537
DB 528 GCACCTCTCTCAAGAGCACCTCTGGGGGACAGCGGCCCTGGGCTGCTGTCTCAAGAC 587
QY 538 TACTTTCCCGGACCGGTGACGGGTGCTGGGAACTCAGGGCCCTGACAGCGGGCTGAC 597
DB 588 TACTTTCCCGGAAACCGGTGACGGGTGCTGGGAACTCAGGGCCCTGACAGCGGGCTGAC 647
QY 598 ACCTTTCCCGGTGTCTTACAGTCTCTCAGGACTCTACTTCCCTCAGCAGGTGTGACCGTG 657
DB 648 ACCTTTCCCGGTGTCTTACAGTCTCTCAGGACTCTACTTCCCTCAGCAGGTGTGACCGTG 707
QY 658 CCCTCCAGCAGTTTGGGACCCAGACCTACATCTGCAACGTGAATTCAAAGCCCAAGCAAC 717
DB 708 CCCTCCAGCAGTTTGGGACCCAGACCTACATCTGCAACGTGAATTCAAAGCCCAAGCAAC 767
QY 718 ACCAAGTGGACAAGAGAGAGGCGGCAAACTTTGTGCAAACTCACAATGCCCCACG 777
DB 768 ACCAAGTGGACAAGAGAGTGTAGCGGCAAACTTTGTGCAAACTCACAATGCCCCACG 827
QY 778 TGCCCCAGCACCTGAACTCTCTGGGGGACCGTCAGTCTTCTCTTCCCCCAAAACCCCAAG 837
DB 828 TGCCCCAGCACCTGAACTCTCTGGGGGACCGTCAGTCTTCTTCTTCCCCCAAAACCCCAAG 887
QY 838 GACACCTTCATGATCTCCGAGACCCCTGAGGTTCATGCGTGGTGGTGGAGCGTGAAGCCAC 897
DB 888 GACACCTTCATGATCTTCCGAGACCCCTGAGGTTCATGCGTGGTGGTGGAGCGTGAAGCCAC 947
QY 898 GAAGACCTTGAGTCAAGTTCACCTGCTACCTGGA-CGGCGTGGAGGTGCAATATGCCAA 956
DB 948 GAAGACCTTGAGTCAAGTTCACCTGCTACCTGGA-CGGCGTGGAGGTGCAATATGCCAA 1007
QY 957 GACAAAGCCGGGAGGAGAGTACAAACAGCACGCTACCGTGTGGTTCAGCGTCTCACCGT 1016
```

```
DB 1008 GACAAAGCCGCGGAGGAGCAGTACAAACAGCAGTACCGTGTGGTTCAGCGTCTCACCGT 1067
QY 1017 CTGTGACCAAGGACTGTGCTGAATGGCAAGGAGTACAAGTCAAGGTCTTCCAAACAAGCCCT 1076
DB 1068 CATGCAACCAAGGACTGTGCTGAATGGCAAGGAGTACAAGTCAAGGTCTTCCAAACAAGCCCT 1127
QY 1077 CCAGAGCCCGCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCGGAGAACCAAGGT 1136
DB 1128 CCAGAGCCCGCATCGAGAAAACCATCTCCAAAGCCAAAGGGCAGCCCGGAGAACCAAGGT 1187
QY 1137 GTACACCTTGCCTCCCATCCCGGATGAGTGCACAAAGAACCAAGGTGAGCCTGACCTGCCT 1196
DB 1188 GTACACCTTGCCTCCCATCCCGGAGGAGATGACAAAGAACCAAGGTGAGCCTGACCTGCCT 1247
QY 1197 GGTCAAGGCTTCTATCTCCAGGACATCCCGTGGAGTGGAGAGCAATGGGAGCGCGGA 1256
DB 1248 GGTCAAGGCTTCTATCTCCAGGACATCCCGTGGAGTGGAGAGCAATGGGAGCGCGGA 1307
QY 1257 GAACAACTACAAGACCAACGCTCCCGTGTGGACTCCGACGGCTCTTCTTCTCTCTACAG 1316
DB 1308 GAACAACTACAAGACCAACGCTCCCGTGTGGACTCCGACGGCTCTTCTTCTCTATAG 1367
QY 1317 CAACTCAGCTGGGACAGAGCAGTGGCAGCAGGGGAAACGTCTTCTCATGTCCCGTAT 1376
DB 1368 CAACTCAGCTGGGACAGAGCAGTGGCAGCAGGGGAAACGTCTTCTCATGTCCCGTAT 1427
QY 1377 GCATGAGGCTTGCACACCACTACACGAGAGAGCCTCTCCCTGTCTCCGGGTAAATG 1436
DB 1428 GCATGAGGCTTGCACACCACTACACGAGAGAGCCTCTCCCTGTCTCCGGGTAAATG 1487
QY 1437 A 1437
DB 1488 A 1488
```

## RESULT 11

US-09-822-830A-571  
; Sequence 571, Application US/09822830A  
; Patent No. US20020142952A1  
; GENERAL INFORMATION:  
; APPLICANT: Genetics Institute, Inc.  
; APPLICANT: Wong, Gordon G.  
; APPLICANT: Clark, Hilary  
; APPLICANT: Fechtel, Kim  
; APPLICANT: Agostino, Michael J.  
; APPLICANT: Howes, Steven H.  
; APPLICANT: Resnick, Richard J.  
; APPLICANT: Gulukota, Kamalakar  
; APPLICANT: Graham, James R.  
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS  
; FILE REFERENCE: GIN 6402  
; CURRENT APPLICATION NUMBER: US/09/822,830A  
; PRIOR FILING DATE: 2001-03-29  
; PRIOR APPLICATION NUMBER: 60/195,604  
; NUMBER OF SEQ ID NOS: 631  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 571  
; LENGTH: 1617  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-822-830A-571

Query Match 80.9%; Score 1163; DB 10; Length 1617;  
Best Local Similarity 89.4%; Pred. No. 1.5e-312;  
Matches 1285; Conservative 0; Mismatches 135; Indels 27; Gaps 2;  
QY 1 ATGGGTGGAGCCTCATCTTGTGCTGTGCTACGCGTGTGCTGAGTGTGAG 60  
DB 66 ATGAAGTTGGGCTGTGCTGGGTTTCTCTGTGCTATTTAGAAAGGTGCCAGTGTGAG 125  
QY 61 GTGCAACTGGTGGAGTCTGGGGAGGCTTGGTTCAGCGTGGCGGTCCCTGAGAGTCTCC 120



Db	1015	ATGGGATGGAGCTGTATCATCTCTTTCTGGTAGCAACAGCTACAGGTGTCCAATCCGAG	1074
Qy	61	GTGCAACTGGT---GGAGTCTGGGGGAGGCTTGGTCCAGCTCGCGGTCCTCAGAGTC	117
Db	1075	GTCCAACTGCTCGAGGAGTCTGGGGGAGGCTGGTCAGGCTCGCGGTCCCTAAGACTC	1134
Qy	118	TCCTGTGCAGTCTCTGGAATTCACCTTCAGTGACCACTACATGTATTGGTTCCGCGCAGGCT	177
Db	1135	TCGTGTGCAGCCTCTGGAACACCCCTCAGTGGCTATACCATGCATCGGTCGGTCGGCAGGCT	1194
Qy	178	CCAGGGAAGGGCGCGAATCGGTAGTTCATTAGAAACAAACCGAACGGTGGGACAACA	237
Db	1195	CCAGGGAAGGGCTGGAGTGGGTCTCATTCATTCTGGAGTAGCAAC-----TTCATTA	1248
Qy	238	GAATACGCCCGCTCTGTGAAGACAGATTACCATCTCCAGAGATGATTCCAAAGCATC	297
Db	1249	AACTACTCAGACTCAGTGAAGGGCCGATTACCATCTCCAGAGACAAGCCAGAATCTCA	1308
Qy	298	GCTATCTGCAATGAGCAGCCTGAAATCGAGGACACGGCCGCTTATTACTGTACTACA	357
Db	1309	CTTTATTCTGCAATGAACACGCTTGACGCGGAGGACACGGCTGTCTATTATTGTGGACC	1368
Qy	358	TCCTACATTTCACAATTCGGGGTGTCTGCTATGGAGGTTACTTCGAATTCCTGGGGC	417
Db	1369	GCCCTATAGCAC-----GCCCTACTTGAACCACTGGGGC	1404
Qy	418	CAGGGCGCCTGTGTACCGTCTCTCAGCTAGCACAAAGGGCCCATCGGTCTTCCCCCTG	477
Db	1405	CAGGGAACCTGTGTACCGTCTCTCAGCTCACCACAGGGCCCATCGGTCTTCCCCCTG	1464
Qy	478	GCACCTCTCCNAGAGCACCTCTGGGGGCACAGCGCCCTGGGCTCCCTGGTCAAGGAC	537
Db	1465	GCACCCCTCTCCNAGAGCACCTCTGGGGGCACAGCGCCCTGGGCTCCCTGGTCAAGGAC	1524
Qy	538	TACTTCCCCGAACCGGTGACGGTGTCTGTGAACCTCAGGCGCCCTGACACGCGGTGCAC	597
Db	1525	TACTTCCCCGAACCGGTGACGGTGTCTGTGAACCTCAGGCGCCCTGACACGCGGTGCAC	1584
Qy	598	ACTTCCCGGCTGTCTCAGACTCCTCAGGACTCTACTCTCCTCAGACGGTGGTGACCGTG	657
Db	1585	ACCTTCCCGGCTGTCTCAGTCTCAGACTCTACTCTCCTCAGCAGCGTGGTGACTGTG	1644
Qy	658	CCCTCCAGCAGCTTGGGCACCCAGACTCATCTGCAACGTGAATCACAAGCCCAAGCAAC	717
Db	1645	CCCTCCAGCAGCTTGGGCACCCAGACTCATCTGCAACGTGAATCACAAGCCCAAGCAAC	1704
Qy	718	ACCAAGGTGGACAAGAAAGCAGAGCCCAATCTGTGACAAACTCAGCATGTCCACCG	777
Db	1705	ACCAAGGTGGACAAGAAAGTGTAGCCCAATCTGTGACAAACTCAGCATGTCCACCG	1764
Qy	778	TGCCAGACCTGAACTCTGGGGGACCGTCACTCTCTCTTCCCCCAAAACCCCAAG	837
Db	1765	TGCCAGACCTGAACTCTGGGGGACCGTCACTCTCTCTTCCCCCAAAACCCCAAG	1824
Qy	838	GACACCTCATGATCTCCCGGACCCCTGAGGTCAATGCGTGGTGGACGTGAGCCAC	897
Db	1825	GACACCTCATGATCTCCCGGACCCCTGAGGTCAATGCGTGGTGGACGTGAGCCAC	1884
Qy	898	GAAACCTCTGAGGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGTGCATATGCGCAAG	957
Db	1895	GAAGACCTTGAGTCAAGTTCAACTGGTACGTGGACGGCGTGGAGTGCATATGCGCAAG	1944
Qy	958	ACAAAGCCGGGAGGACGTACAACAGCAGTACCGTGTGGTCAGCGTCTCTCACCGTCT	1017
Db	1945	ACAAAGCCGGGAGGACGTACAACAGCAGTACCGGGTGGTCAGCGTCTCTCACCGTCT	2004
Qy	1018	CTGACACAGGACTGGCTGAATGGCAAGAGTACAAGTGAAGGTCTTCAACAAAGCCCTC	1077
Db	2005	CTGACACAGGACTGGCTGAATGGCAAGAGTACAAGTGAAGGTCTTCAACAAAGCCCTC	2064
Qy	1078	CCAGCCCCCATCTGAGAAAACCATCTCCAAAGCCAAAGGCGACCCCGAGAACCAAGTG	1137
Db	2065	CCAGCCCCCATCTGAGAAAACCATCTCCAAAGCCAAAGGCGACCCCGAGAACCAAGTG	2124

QY	1138	TACACCTGCCCCATCCCGGATGAGCTGACCAAGAACAGGTCAAGCTGACCTGCTG	1197
Db	2125	TACACCTGCCCCATCCCGGATGAGCTGACCAAGAACAGGTCAAGCTGACCTGCTG	2184
QY	1198	GTCAAGGCTTCTATCCACGGACATCCCGTGGAGTGGGAGACAATGGCAGCCGGAG	1257
Db	2185	GTCAAGGCTTCTATCCACGGACATCCCGTGGAGTGGGAGACAATGGCAGCCGGAG	2244
QY	1258	AACAACTTACAAGACCAAGCTCCCGTGTGGACTCCGACGGCTCTTCTTCTCTACAGC	1317
Db	2245	AACAACTTACAAGACCAAGCTCCCGTGTGGACTCCGACGGCTCTTCTTCTCTACAGC	2304
QY	1318	AAGCTCACCGTGACAAGAGCAGTGGCAGCAGGGGAAAGCTTCTCATGCTCGTGATG	1377
Db	2305	AAGCTCACCGTGACAAGAGCAGTGGCAGCAGGGGAAAGCTTCTCATGCTCGTGATG	2364
QY	1378	CATGAGGCTCTGCAACCACTACACGAGAAGAGCTTCTCCCTGTCTCCGGGTAAATGA	1437
Db	2365	CATGAGGCTCTGCAACCACTACACGAGAAGAGCTTCTCCCTGTCTCCGGGTAAATGA	2424

```

RESULT 13
US-09-822-849A-103
; Sequence 103, Application US/09822849A
; Patent No. US20020045170A1
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakara
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6403
; CURRENT APPLICATION NUMBER: US/09/822,849A
; PRIOR FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/195,582
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 598
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 103
; LENGTH: 1598
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1040..1562
; OTHER INFORMATION: n = a,c,t, or g
US-09-822-849A-103

```

```

Query Match      79.5%; Score 1142.8; DB 10; Length 1598;
Best Local Similarity 88.5%; Pred. No. 5.7e-307;
Matches 1272; Conservative 0; Mismatches 138; Indels 27; Gaps 2

Qy 1 ATGGGTTGGAGCCCACTCTCTCTCTCGCTGTGTGTACGCGTGTCCAGTGTGAG 60
Db 63 ATGGAGTTGGGGCGTGTGTGGGGTTTCTCTGCTGCTCTTTTTCGAAGGTGTCCAGTGTGAG 122

```

Qy	61	GTGCAACTGTGTGAGTCTGGGGAGGCTTGGTCAGCCTCGCGGGTCCCTCGAGAGTCTCC	120
Db	123	GCGCAGCTTGTGCAGTCTGGGGAGAAATTGGTCAGCCTGGAGGTTCCGTGAGACTCTCC	182
Qy	121	TGTCACTCTCTGGAATTCACCTTCAGTGACCACTACATGATTGGTTTCGCCCAGGTTCCA	180
Db	183	TGTGAAGCCTCTGGAATTCGCCCTTAGAAATTACGAAATGAATTTGGGTTCGCCCAGGTTCCA	242
Qy	181	GGGAAGGGCCGGNATGGGTAGTTTCATTTAGAAAAACAACCGAACGGTGGGACAAACAGAA	240
Db	243	GGGAAAGGGCTGAATTGATTTTCATACATCAGTAGC-----AGTGGCAATTCCTCAATAT	296



QY	241	TACGCCGCGTCTGTGAAAGACAGATTACCACTCTCCAGAGATGATTCAAAAGCATCGCC	300
Db	297	TACGCAGACTCTGTGAAGGTCGCTTCGCCATCTCAAGGGACGAGTCCAGGAATCACTC	356
QY	301	TATCTCCAATGAGCAGCCTGAAATTCGAGGACCGCGCTATTACTGTACTACATCC	360
Db	357	TTCTTACATTTGAGCAGCCTGAGACCGGAGACCGGTCTACTCTGTGCCAGAGAC	416
QY	361	TACATTTCACTTGTCCGGGTGGTGTCTGCTATGAGAGTTACTTTCGAATTTCTGGGGCCAG	420
Db	417	CTGAGAGTAGTGAAACGAGG-----CTTCGACCCTGGGGCCAG	455
QY	421	GGCGCCCTGGTCACCGTCTCTCAGCTAGCACCAAGGGCCCATCGGTCTTCCCCCTGGCA	480
Db	456	GGAAGCCTGGTCTCTGCTCTCTCAGCCTCCACAAGGGCCCATCGGTCTTCCCCCTGGCA	515
QY	481	CCCTCTCTCAAGACGACCTCTGGGGGGCACAGCGGCGCCTTGGGTGCTTGGTCAAGGATC	540
Db	516	CCCTCTCTCAAGACGACCTCTGGGGGGCACAGCGGCGCCTTGGGTGCTTGGTCAAGGATC	575
QY	541	TTCCCGAACCCTGACCGGTGCTGTGGAACCTCAGCGGCGCCTTGACCGAGGGCGGTGCACAC	600
Db	576	TTCCCGAACCCTGACCGGTGCTGTGGAACCTCAGCGGCGCCTTGACCGAGGGCGGTGCACAC	635
QY	601	TTCCCGGCTGTCTCAGCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTCAACGTCGCC	660
Db	636	TTCCCGGCTGTCTCAGCTCTCAGGACTCTACTCCCTCAGCAGCGTGGTCAACGTCGCC	695
QY	661	TCAGCAGCTTTGGGCACCAGACTTACATCTGCAAGCTGAATCAAGCCGAGCAACAC	720
Db	696	TCAGCAGCTTTGGGCACCAGACTTACATCTGCAAGCTGAATCAAGCCGAGCAACAC	755
QY	721	AAGGTGGACAAAGAACGAGCGCCAAATCTTGTCACAAAACTCACATATGCCACCGTGC	780
Db	756	AAGTGGACAAAGAGAGTTGAGCCCAATCTTGTCACAAACTCACATATGCCACCGTGC	815
QY	781	CCAGCAGCTGAACTCTCTGGGGGACCGTCAGTCTTCTCTTCCCGCCAAAACCAAGGAC	840
Db	816	CCAGCAGCTGAACTCTCTGGGGGACCGTCAGTCTTCTCTTCCCGCCAAAACCAAGGAC	875
QY	841	ACCTCATGATCTCCGGGACCCCTCAGGTTCATATCGCTGGTGGTGGAGCGTGAGGCACGAA	900
Db	876	ACCTCATGATCTCCGGGACCCCTCAGGTTCATATCGCTGGTGGTGGAGCGTGAGGCACGAA	935
QY	901	GACCTTGAGGTCAAGTTTCACTGTGTAAGTGAGCGCGTGGAGGTGCATTAATGCCAAGACA	960
Db	936	GACCTTGAGGTCAAGTTTCACTGTGTAAGTGAGCGCGTGGAGGTGCATTAATGCCAAGACA	995
QY	961	AAGCCGCGGAGGAGCAGTCAACAGCAGTACCTCGTGGTGGTCAAGTCTCAGCGTCTCTG	1020
Db	996	AAGCCGCGGAGGAGCAGTCAACAGCAGTACCTCGTGGTGGTCAAGTCTCAGCGTCTCTG	1055
QY	1021	CACAGGACTGCTGAATGGCAAGGAGTCAAGTGCAAAGGTCTCCAAAGACCCCTCCCA	1080
Db	1056	CACAGGACTGCTGAATGGCAAGGAGTCAAGTGCAAAGGTCTCCAAAGACCCCTCCCA	1115
QY	1081	GCCCCATCGAGAAACCATCTCCAAAGCCAAAGGGACGCCCGAGAACACACAGGTCTAC	1140
Db	1116	GCCCCATCGAGAAACCATCTCCAAAGCCAAAGGGACGCCCGAGAACACACAGGTCTAC	1175
QY	1141	ACCTTGCCCCCATTCGCGGATGAGTGCACCAAGAACCCAGGTCAAGTCTGCTGCTGCTC	1200
Db	1176	ACCTTGCCCCCATTCGCGGAGGAGATGACCAAGAACCCAGGTCAAGTCTGCTGCTGCTC	1235
QY	1201	AAAGGCTTCTATCCAGCGACATCCCGTGGAGTGGGAGAGCAATGGCGAGCCGGAGAAC	1260
Db	1236	AAAGGCTTCTATCCAGCGACATCCCGTGGAGTGGGAGAGCAATGGCGAGCCGGAGAAC	1295
QY	1261	AACCTAAGACCAACGCTCCCGTGTGGACTCCGACGCTCTTCTTCTCTCTACAGCAAG	1320
Db	1296	AACCTAAGACCAACGCTCCCGTGTGGACTCCGACGCTCTTCTTCTCTCTAATAGCAAG	1355

## RESULT 14

```

US-09-822-830A-303
/ Sequence 303, Application US/09822830A
/ Patent No. US20020142952A1
/ GENERAL INFORMATION:
/ APPLICANT: Genetics Institute, Inc.
/ APPLICANT: Wong, Gordon G.
/ APPLICANT: Clark, Hilary
/ APPLICANT: Fechtler, Kim
/ APPLICANT: Agostino, Michael J.
/ APPLICANT: Howes, Steven H.
/ APPLICANT: Resnick, Richard J.
/ APPLICANT: Gulukota, Kamalakara
/ APPLICANT: Graham, James R.
/ TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
/ FILE REFERENCE: GIN 6402
/ CURRENT APPLICATION NUMBER: US/09/822.830A
/ CURRENT FILING DATE: 2001-03-29
/ PRIOR APPLICATION NUMBER: 60/195,604
/ PRIOR FILING DATE: 2000-04-06
/ NUMBER OF SEQ ID NOS: 631
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 303
/ LENGTH: 1634
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-822-830A-303

```

Query Match	79.5%;	Score 1142.8;	DB 10;	Length 1634;
Best Local Similarity	88.6%;	Pred. No. 5.8e-347;		
Matches 1278;	Conservative	0;	Mismatches 107;	Indels 17; Gaps
QY	9	GAGCCTCATCTTGCTCTCTCTTGTCGCTGTTGCTACGGCGTGTCCAGTGTGAGGTGCAACT	68	
DB	71	GGGGTCCACTGGGTTCCTTGTGCTATTTTAGAAGGTGCCAAGTGTGAGTGCAGAT	130	
QY	69	GFTGGAGTCTGGGGGAGGGCTTGGTCAGCGCTGGCGGGTCCCTGAGAGTCTCTGTGCGAGT	128	
DB	131	GFTGGAGTCTGGGGGAGGGCTGGTCAAGCCGGGGGGTCCCTGAGACTCTCTGTGCGAGG	190	
QY	129	CTCTGATTTCACCTTCAGTGACCACTACATGATATTGGTTTCGCCCAAGGCTCCAGGGAAGGG	188	
DB	191	CTCTGATTTCATCTTCAGTGACTATGGCAGTATGGTGGGTCCGCCGACTCCAGGGAAGGG	250	
QY	189	GCCGGAATCGGTAGGTTTCATTAGAAACAAACCGAACCGTGGGACAAAGATAACGCCG	248	
DB	251	ACTGGAGTTGGGTCTCTTCCATTAGTATGACTGTGCGT-----ACATATATAACGCCAGA	306	
QY	249	GTCTGTGAAGACAGATTACCATCTCCAGAGATGATTCRAAAGCATCGCTATCTGCA	308	
DB	307	CTCAGTGAAGGCCGATTCCCATCCCAAGACAAACGCAAGGTTCACTGTCTCTGCA	366	
QY	309	AATGAGCAGCTGAAAAATCGAGGACAGCGCGCTATTACTGTACTACATCTCATTTTC	368	
DB	367	AATGAAAAGCCTGAGAGCCCGGACTCGGCTGTATATTACTGCGGGAATTCAGTCTCTT	426	
QY	369	ACATTGTCGGGGTGGT-----TCTGCTATTGAGGTTACTTCGATTTCTGGG	416	
DB	427	AGTTCCAACTACTGTCGATCAAAACCCATTCTTCTACTCTGGCCTATGAGCGTCTGGG	486	
QY	417	CCAGGGCGCCCTGGTCAACCGTCTCTCTCAGCTAGCACCAAGGGCCCATCGGTCTTCCCCT	476	
DB	487	CCAAGGACACGGTCACTGTCCTCTCAGCTTCCCAAGGGCCCATCGGTCTTCCCCT	546	



GenCore version 5.1.3  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 6, 2003, 01:56:24 ; Search time 145.88 Seconds  
(without alignments)  
8604.535 Million cell updates/sec

Title: US-09-758-173-11

Perfect score: 1431  
Sequence: 1 ATGAAACCTGTGGTCTT.....CCCTGTCCTCGGTAAATCA 1431

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 43858390 residues 1186858  
Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications\_NA:

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:  
2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:  
5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:  
6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:  
8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:  
9: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:  
10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:  
11: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:  
12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:  
13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:  
14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1431	100.0	1431	9	US-10-124-905-11
2	1431	100.0	1431	9	US-09-948-429B-11
3	1429.4	99.9	1431	9	US-10-073-138-6
4	1315.8	91.9	1431	9	US-10-124-905-3
5	1315.8	91.9	1431	9	US-09-948-429B-3
6	1314.2	91.8	1431	9	US-10-073-138-2
7	1134.8	79.3	1428	10	US-09-740-002-17
8	1133.4	79.2	1798	9	US-09-925-299-230
9	1133.4	79.2	1798	10	US-09-925-299-230
10	1125.2	78.6	1428	10	US-09-740-002-19
11	1122.8	78.5	1599	10	US-09-954-456-789
12	1122.8	78.5	1599	10	US-09-954-456-1604
13	1118	78.1	1449	10	US-09-747-669-1
14	1118	78.1	1449	10	US-09-747-669-2
15	1112.4	77.7	1437	9	US-10-124-905-7
16	1112.4	77.7	1437	9	US-09-948-429B-7
17	1112.4	77.7	1437	9	US-10-073-138-4
18	1110.8	77.6	1427	12	US-10-066-895-20
19	1110.8	77.6	1427	12	US-10-066-895-25

20 1109.2 77.5 1427 12 US-10-066-895-27 Sequence 27, Appl  
21 1102.8 77.1 6284 12 US-10-066-895-14 Sequence 14, Appl  
22 1100.4 76.9 1356 10 US-09-822-698A-27 Sequence 27, Appl  
23 1100 76.9 1539 10 US-09-822-849A-87 Sequence 87, Appl  
24 1098.2 76.7 1617 10 US-09-822-830A-571 Sequence 571, Appl  
25 1096.6 76.6 9209 9 US-09-911-703-3 Sequence 3, Appl  
26 1096.6 76.6 9209 9 US-09-905-928-2 Sequence 2, Appl  
27 1096.6 76.6 18986 9 US-10-109-853-2 Sequence 2, Appl  
28 1093.8 76.4 8120 9 US-09-726-358-68 Sequence 68, Appl  
29 1091.8 76.3 9182 9 US-09-927-122-41 Sequence 41, Appl  
30 1089.2 76.1 1347 10 US-09-736-371B-20 Sequence 20, Appl  
31 1089 76.1 1404 10 US-09-825-012-10 Sequence 10, Appl  
32 1089 76.1 1404 10 US-09-822-849A-104 Sequence 104, Appl  
33 1088.6 76.1 1640 10 US-09-822-849A-321 Sequence 321, Appl  
34 1088.4 76.1 1598 10 US-09-822-849A-103 Sequence 103, Appl  
35 1086.4 75.9 2196 10 US-09-825-012-44 Sequence 44, Appl  
36 1086.4 75.9 2196 10 US-09-825-012-45 Sequence 45, Appl  
37 1086.4 75.9 2226 10 US-09-825-012-53 Sequence 53, Appl  
38 1086.4 75.9 2226 10 US-09-825-012-54 Sequence 54, Appl  
39 1086 75.9 1605 10 US-09-822-830A-501 Sequence 501, Appl  
40 1086 75.9 1615 10 US-09-822-849A-111 Sequence 111, Appl  
41 1082.2 75.6 1616 10 US-09-822-830A-572 Sequence 572, Appl  
42 1080.8 75.5 2190 10 US-09-825-012-50 Sequence 50, Appl  
43 1080.8 75.5 2190 10 US-09-825-012-51 Sequence 51, Appl  
44 1080.8 75.5 2220 10 US-09-825-012-59 Sequence 59, Appl  
45 1080.8 75.5 2220 10 US-09-825-012-60 Sequence 60, Appl

## ALIGNMENTS

RESULT 1  
US-10-124-905-11  
; Sequence 11, Application US/10124905  
; Patent No. US20020166136A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Darrell R.  
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,  
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS  
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
; STREET: 699 Prince Street  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22314  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/124,905  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/383,916  
; FILING DATE:  
; APPLICATION NUMBER: US 08/487,550  
; FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: teskin, Robin L.  
; REGISTRATION NUMBER: 35,030  
; REFERENCE/DOCKET NUMBER: 012712-131  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-836-6620  
; TELEFAX: 703-836-2021  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1431 base pairs



COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: PatentIn Release

;;  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/10/073,138  
;; FILING DATE: 13-Feb-2002  
;; CLASSIFICATION: <Unknown>  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/746,361  
;; FILING DATE: 08-NOV-1996  
;; APPLICATION NUMBER: US/08/487,550  
;; FILING DATE: 07-JUN-1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Teskin, Robin L.  
;; REGISTRATION NUMBER: 35,030  
;; REFERENCE/DOCKET NUMBER: 012712-256  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (703) 836-6620  
;; TELEFAX: (703) 836-2021  
;;  
;; INFORMATION FOR SEQ ID NO: 6:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 1431 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA (genomic)  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: 1..1431  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
;;  
;; US-10-073-138-6  
Query Match 99.9%; Score 1429.4; DB 9; Length 1431;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1430; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 1 ATGAAACACCTGTGTTCTCTCTCTCTGTGTGAGCTCCAGATGGTCTGTCCAG 60  
Db 1 ATGAAACACCTGTGTTCTCTCTCTCTGTGTGAGCTCCAGATGGTCTGTCCAG 60  
QY 61 GTGAGCTGCAAGAGTGGGGCCAGGACTGTGTAAGCTTCGGAGACCTCTGCTCACC 120  
Db 61 GTGAGCTGCAAGAGTGGGGCCAGGACTGTGTAAGCTTCGGAGACCTCTGCTCACC 120  
QY 121 TGCGCTGTCTGTGTGCTCATCAGCGGTGGTTATGTGTGGGCTGGATCCGCGAGCC 180  
Db 121 TGCGCTGTCTGTGTGCTCATCAGCGGTGGTTATGTGTGGGCTGGATCCGCGAGCC 180  
QY 181 CCAGGAAGGGCTGGAGTGGAGTGGAGTTCTATAGTAGTGGAAACACCTACTAC 240  
Db 181 CCAGGAAGGGCTGGAGTGGAGTGGAGTTCTATAGTAGTGGAAACACCTACTAC 240  
QY 241 AACCCCTCCCTCAAGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 300  
Db 241 AACCCCTCCCTCAAGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 300  
QY 301 CTGAGCTGAACCTATGACCGCCGCGGACACGCGCTGTATTAATGTGTGAGATCGT 360  
Db 301 CTGAGCTGAACCTATGACCGCCGCGGACACGCGCTGTATTAATGTGTGAGATCGT 360  
QY 361 CTTTTTTCAGTGTGGAATGGTTTAAACAACTGGTTCCGATGTCGGGGCCCGGAGTC 420  
Db 361 CTTTTTTCAGTGTGGAATGGTTTAAACAACTGGTTCCGATGTCGGGGCCCGGAGTC 420  
QY 421 CTGTCTACCGTCTCTCTCAGCTAGCACCAGGGCCCATCGGTCTTCCCTTGGCACCCCTCC 480  
Db 421 CTGTCTACCGTCTCTCTCAGCTAGCACCAGGGCCCATCGGTCTTCCCTTGGCACCCCTCC 480  
QY 481 TCCAGAGACCTCTGCGGGCACAGCGCCCTGGGCTGCTGCTGCTCAAGGACTACTTCCC 540  
Db 481 TCCAGAGACCTCTGCGGGCACAGCGCCCTGGGCTGCTGCTGCTCAAGGACTACTTCCC 540  
QY 541 GAACCGGTGACGGTGTCTGTGAACCTCAGGCGCCCTGACGAGCGGTGACACCTTCCG 600  
Db 541 GAACCGGTGACGGTGTCTGTGAACCTCAGGCGCCCTGACGAGCGGTGACACCTTCCG 600

QY 601 GCTGTCTACAGTCTCTCAGGACTCTACTCTCTCAGCAGCGTGGTGACCGTCCCTCCAGC 660  
Db 601 GCTGTCTACAGTCTCTCAGGACTCTACTCTCTCAGCAGCGTGGTGACCGTCCCTCCAGC 660  
QY 661 AGCTTGGGACCCAGACCTCATCTGCAACGTGAATCACAAGCCAGCAACACCAAGGTG 720  
Db 661 AGCTTGGGACCCAGACCTCATCTGCAACGTGAATCACAAGCCAGCAACACCAAGGTG 720  
QY 721 GACAAGAAAGCAGAGCCCAAAATCTTGTGACAAAATCTCACACATCCCAACCGTCCAGCA 780  
Db 721 GACAAGAAAGCAGAGCCCAAAATCTTGTGACAAAATCTCACACATCCCAACCGTCCAGCA 780  
QY 781 CCTGAACTCTGGGGGACCGTCACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 840  
Db 781 CCTGAACTCTGGGGGACCGTCACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 840  
QY 841 ATGATCTCTCCGGGACCCCTGAGGTCAATGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 900  
Db 841 ATGATCTCTCCGGGACCCCTGAGGTCAATGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 900  
QY 901 GAGTCAAGTTCAACTGT 960  
Db 901 GAGTCAAGTTCAACTGT 960  
QY 961 CGGAGGAGCAGTACAACAGCAGTACCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1020  
Db 961 CGGAGGAGCAGTACAACAGCAGTACCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1020  
QY 1021 GACTGGCTGAATGGCAAGGAGTACAAGTGAAGTCTTCCAAAGAGCCCTCCAGACCCCTC 1080  
Db 1021 GACTGGCTGAATGGCAAGGAGTACAAGTGAAGTCTTCCAAAGAGCCCTCCAGACCCCTC 1080  
QY 1081 ATCGAGAAACCATCTCCAAAGCCAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1140  
Db 1081 ATCGAGAAACCATCTCCAAAGCCAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1140  
QY 1141 CCCCCTATCCCGGATGAGTGAACCAAGAACCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 1200  
Db 1141 CCCCCTATCCCGGATGAGTGAACCAAGAACCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 1200  
QY 1201 TTCTATCCAGCGACATCGCGT 1260  
Db 1201 TTCTATCCAGCGACATCGCGT 1260  
QY 1261 AAGACACGCTCCCGT 1320  
Db 1261 AAGACACGCTCCCGT 1320  
QY 1321 GTGCAAGAGCAGGT 1380  
Db 1321 GTGCAAGAGCAGGT 1380  
QY 1381 CTGCACAACTACACGAGGAGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1431  
Db 1381 CTGCACAACTACACGAGGAGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1431

## RESULT 4

US-10-124-905-3  
; Sequence 3, Application US/10124905  
; Patent No. US20020166136A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Darrell R.  
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC  
; TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF."  
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS  
; IMMUNOSUPPRESSANTS"  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: BURNS, DOANE, SWECKER & MATHIS  
; STREET: 699 Prince Street  
; CITY: Alexandria  
; STATE: VA





```

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
1040

```

	Query Match	91.8%	Score 1314.2;	DB 9;	Length 1431;
	Best Local Similarity	94.9%;	Pred. No. 0;		
	Matches 1358;	Conservative	0;	Mismatches 73;	Indels 0; Gaps 0;
QY	1	ATGAACACCTGTGGTCTTCTCCTCTCTGTGGCAGCTCCAGATGGTCTCTGTCCAG	60		
DB	1	ATGAACACCTGTGGTCTTCTCCTCTCTGTGGCAGCTCCAGATGGTCTGTCCAG	60		
QY	61	GTGCAGCTGCAGGAGTCCGGGCCAGGACTGTGAAGCCTTCGGAGACCTCTCCCTACCC	120		
DB	61	GTGAAGCTGCAGCAGTGGGGCGAAGACTTCTGCAGCCTTCGGAGACCTGTCCGCACC	120		
QY	121	TGGCTGTCTCTGTGGTCTCCATCAGCGGCGTTATGGCTGGGGCTGGATCCGCCAGCCC	180		
DB	121	TGGTGTCTCTGTGGTCTCCATCAGCGGTTACTACTGGACTGGATCCGCCAGACC	180		
QY	181	CAAGGGAGGGCTGGAGTGGATTTCTATAGTAGTAGTGGGAACACCTACTATAC	240		

[illegible]







```

RESULT 9
US-09-925-299-230
/ Sequence 230, Application US/09925299
/ Patent No. US20020055627A1
/ GENERAL INFORMATION:
/ APPLICANT: Rosen et al.
/ TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
/ FILE REFERENCE: PA102
/ CURRENT APPLICATION NUMBER: US/09/925,299
/ CURRENT FILING DATE: 2001-08-10
/ PRIOR APPLICATION NUMBER: PCT/US00/05883

```

Query Match	79.2%	Score 1133.4	DB 10	Length 1798
Best Local Similarity	88.9%	Pred. Di. 4.1e-300		
Matches 1250	Conservative	9	Mismatches 136	Indels 11
QY	26	TCCTGGTGGCAGCTCCAGATGGGCTGTCGCCAGGTGAGCTGCGAGAGTCGAGAGTCGGCCCCAG	85	
DB	173	TCCTCGTTGCTCTTTTAAGAGGTGTCAGGTGTCAGGTGTCAGGTGTCGGGGAG	232	
QY	86	GACTGGTGAAGCCITCGGAGACCTGTCCTCACTGCGCTGCTCTCGTGGTCCATCA	145	
DB	233	GGTGGTCAGCGCTGGGAGGTGCCCTGAGACTCTCTCTGTGCGACGCTCTCGATTCACTTCA	292	
QY	146	GCGGTGGTTATGGCTGGGGCTGGATCCGCCAGCCCCCAGGGAAGGGGTGGAGTGGATTG	205	
DB	293	--GTAGCTATGGCATGCATCGGGTCGGCCAGGCTCCAGGCAAGGGGCTCGAGTGGGTGG	349	
QY	206	GGAGTTTCTATAGTAGTAGTGGGAACACTTACTACAACCCCTCCCTCAAGAGTCAAGTCA	265	
DB	350	CAGTTATATSRTAGTAGGAAGTATATAAATCATATCGACATTCCTGGAAGGCCGATTC	409	
QY	266	CGATTTCACACAGACACGCTCCAGAAACAGATTCTCCCTGAAGCTGAACCTCTATGACCCCG	325	
DB	410	CGATCTCCAGAGACAATTCACAGAAACGCTGTATCTGCAAAATGAACAGCCCTGAGAGCTG	469	
QY	326	CGGACACGGCCGTGTATTACTGTGTGAGAGATCGTCTTTTTTTCAGTCTGTGGAATGCTTT	385	
DB	470	AGGACACGGCTGTATATTACTGTGCGARAGA----NGTTACTATGGTTCGGAAGCATCT	525	
QY	386	ACAACAATCTGGTTCGATGTCTGGGGCCGGGAGTCTGTGTCAACGCTCTCTCAGCTAGCA	445	
DB	526	ACTACTACTTTTGC-----TCTGGGGCCAGGGAACMCTGTGTCAACGCTCTCTCAGCCCTCA	581	
QY	446	CCAAGGGCCCATCGGTCTTCCCCCTGGCACCCCTCTCCAAAGAGCACCTCTCGGGGGCACAG	505	
DB	582	CCAAGGGCCCATCGGTCTTCCCCCTGGCACCCCTCTCCAAAGAGCACCTCTCGGGGGCACAG	641	
QY	506	CGGCCCTTGGGTGCTGGTCAAGCATCTTCCCCGAACCGGTGACGGTGTCTGGAACT	565	
DB	642	CGGCCCTTGGGTGCTGGTCAAGGACTACTTCCCCGAACCGGTGACGGTGTCTGGAACT	701	
QY	566	CAGGGGCCCTGACACGAGGGGTGCACACTTCCCGGCTGTCTCATAGTCTCTCAGGACTCT	625	
DB	702	CAGGGGCCCTGACACGAGGGGTGCACACTTCCCGGCTGTCTCATAGTCTCTCAGGACTCT	761	







Db	208	CTTGAGTGGATGGATGGAACCCCTAAACAGTGGTGAATAACAGGCTATGCAAGAGTTC	267
Qy	253	AAGAGTCAAGTCAACATTTTCAACAGACACAGTCCAAGAACACAGTTCTCCCTCAAGCTGAAC	312
Db	268	CAGGGCAGAGTCAACATGATACACAGGAACACCTGCATAAGAACACGCCTACATGAGCTGAGT	327
Qy	313	TCATAGACCGCGGGACACGGCCGCTGTAATTAAGTGTGAGAGATCGTCTTTTTTCAG--	370
Db	328	GGCCTGAGATCTGAGGACACGGCCGCTGTAATTTCTGTGCGAGAAATGCCGATAACGTAGAG	387
Qy	371	-TTTGTGGAATGTTTACAAACAATCTGGTTCGATGTCTGGGGCCCGGGAGTCTCTGTCAAC	429
Db	388	ATGCTGCAATTTTACACATCTACTACGGTATGAGACGCTCTGGGGCCAAGGACCAACGCTCAAC	447
Qy	430	GTCTCTCAGTAGACACCAAGGGCCCATCGGTCTTCCCTTGGCACCTCTCTCCAAGAGC	489
Db	448	GTCTCTCAGCCTCACAACCAAGGCCCATCGGTCTTCCCTTGGCACCTCTCTCCAAGAGC	507
Qy	490	ACCTCTGGGGGACACAGCGGCCCTTGGGCTGCTTGGTCAAGGACTACTTCCCCGAACCGGTG	549
Db	508	ACCTCTGGGGGACACAGCGGCCCTTGGGCTGCTTGGTCAAGGACTACTTCCCCGAACCGGTG	567
Qy	550	ACGGTGTCTGTGGAACCTCAGCGGCCCTGACAGCGGCGTGCACACCTTCCCCGGCTGTCTTA	609
Db	568	ACGGTGTCTGTGGAACCTCAGCGGCCCTGACAGCGGCGTGCACACCTTCCCCGGCTGTCTTA	627
Qy	610	CAGTCTCTCAGGACTCTACTCTCTCAGCAGCGTGGTGAACGGTGCCTCTCAGCAGCTTGGGC	669
Db	628	CAGTCTCTCAGGACTCTACTCTCTCAGCAGCGTGGTGAACGGTGCCTCTCAGCAGCTTGGGC	687
Qy	670	ACCAGACCTTACATCTGTCAACGTGAATCAACAGGCCAGCAACCAAGGTGCACAAGAAA	729
Db	688	ACCAGACCTTACATCTGTCAACGTGAATCAACAGGCCAGCAACCAAGGTGCACAAGAAA	747
Qy	730	GCAGAGCCCAATCTTGTGTGACAAAACTCAACATGCCCAACGGTGCCCAAGCACTTGAATC	789
Db	748	GTTGAGCCCAATCTTGTGTGACAAAACTCAACATGCCCAACGGTGCCCAAGCACTTGAATC	807
Qy	790	CTGGGGGACCGTCAAGTCTTCTTCTTCCCCCAAAACCAAGGACACCTCATGATCTCC	849
Db	808	CTGGGGGACCGTCAAGTCTTCTTCTTCCCCCAAAACCAAGGACACCTCATGATCTCC	867
Qy	850	CGGACCCCTGAGGTCAACATCGTGTGTGTGGACGTGAGCCAGCAAGACCCCTGAGGTCAAG	909
Db	868	CGGACCCCTGAGGTCAACATCGTGTGTGTGGACGTGAGCCAGCAAGACCCCTGAGGTCAAG	927
Qy	910	TTCAACTGTGTACGTGGAACGGCTGTGAGGTGCATATATGCCAAGACAAAGCCGCGGAGGAG	969
Db	928	TTCAACTGTGTACGTGGAACGGCTGTGAGGTGCATATATGCCAAGACAAAGCCGCGGAGGAG	987
Qy	970	CAGTACAAACAGCAGTACATCGTGTGTGTGGACGTGAGCCAGCAAGACCCCTGAGGTCAAG	1029
Db	988	CAGTACAAACAGCAGTACATCGTGTGTGTGGACGTGAGCCAGCAAGACCCCTGAGGTCAAG	1047
Qy	1030	AATGGCAAGGAGTACAAGTGCAGAGTCTCCAAACAAGCCCTCCCAAGCCCATCGAGAAA	1089
Db	1048	AATGGCAAGGAGTACAAGTGCAGAGTCTCCAAACAAGCCCTCCCAAGCCCATCGAGAAA	1107
Qy	1090	ACCATCTCCAAAGCCAAAGGGACGCCCGAGAACCAACAGGTGTACACCTGTCCCACTCC	1149
Db	1108	ACCATCTCCAAAGCCAAAGGGACGCCCGAGAACCAACAGGTGTACACCTGTCCCACTCC	1167
Qy	1150	CGGATGAGCTGACCAAGAACCAAGGTCAAGCTGTGCTGCTGGTCAAAAGGCTTCTATCCC	1209
Db	1168	CGGATGAGCTGACCAAGAACCAAGGTCAAGCTGTGCTGCTGGTCAAAAGGCTTCTATCCC	1227
Qy	1210	AGGACATCCGCGTGGAGTGGGAGAGCAATGGGACGCGGAGAACTATCAAGACCAAG	1269
Db	1228	AGGACATCCGCGTGGAGTGGGAGAGCAATGGGACGCGGAGAACTATCAAGACCAAG	1287
Qy	1270	CCTCCCGTGTGACTCCGACGGCTCTTCTTCTCTTACAGCAAGCTCACCGTGACAAAG	1329
Db	1288	CCCTCCCGTGTGACTCCGACGGCTCTTCTTCTCTTACAGCAAGCTCACCGTGACAAAG	1347

Qy	1330	AGCAGGTGGCAGCAGAGGGAAACGTCTCTTCATGCTCCGTCGATGCATGAGGCTCTGCACAAAC	1389
Db	1348	AGCAGGTGGCAGCAGAGGGAAACGTCTCTTCATGCTCCGTCGATGCATGAGGCTCTGCACAAAC	1407
Qy	1390	CACCTACACGCAGAGAAGCCCTCTCCCTGTCTCCGGGTAATAATGA	1431
Db	1408	CACCTACACGCAGAGAAGCCCTCTCCCTGTCTCCGGGTAATAATGA	1449

```

RESULT 14
US-09-747-669-2/c
; Sequence 2, Application US/09747669
; Patent No. US20020122807A1
; GENERAL INFORMATION:
; APPLICANT: Dan, Michael D.
; APPLICANT: Saleh, Mansoor
; TITLE OF INVENTION: ANTIGEN BINDING FRAGMENTS, DESIGNATED
; TITLE OF INVENTION: 485 THAT SPECIFICALLY DETECT CANCER CELLS, NUCLEOTIDES
; TITLE OF INVENTION: ENCODING THE FRAGMENTS, AND USE THEREOF FOR THE PROPHYLAXIS
; TITLE OF INVENTION: AND DETECTION OF CANCERS
; FILE REFERENCE: 316082001001
; CURRENT APPLICATION NUMBER: US/09/747,669
; CURRENT FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: US 09/111,286
; PRIOR FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1449
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
; US-09-747-669-2

```

Query Match	78.1%	Score 1118	DB 10	Length 1449	
Best Local Similarity	87.6%	Pred. No. 6.4e-286			
Matches 1246	Conservative	0	Mismatches 170	Indels 6	Gaps
Qy	13	TGGTTCCTCCTCCTCGTGGCAGCTCCAGATGGGTCTCTCCAGGTGCGAGTGTGCGAG	72		
Db	1419	TGGAGGGTCCTCTTCTTGTGGCAGCAGCTACAAGTGCCTCCAGTGCAGCTGGT	1360		
Qy	73	GAGTCGGGCCCAGGACTGCTGAAGCCTTCGGAGACCTGTCCCTCACTTGGCTGTCTCT	132		
Db	1359	CAGTCTGGGGCTGAGGTGAAGAAGCCTGGGCGCTCAGTGAAGGTCTCTCTGAAGGCTTCT	1300		
Qy	133	GGTGGCTCCATCAGCCGGTGGTTATGGCTGGGCTGGATCCGCCAGCCCCCAGGAAGGGG	192		
Db	1299	GGATACACCTTCACCAGTTTTCGTCCTC--AACTGGGTGCACAGGCCCTCTGGACAAGG	1243		
Qy	193	CTGGAGTGGATTGGGAGTTTCTATAGTAGTAGTGGGAACCTACTACAACCCCTCCCTC	252		
Db	1242	CTTGAGTGGATGGGATGSGATGAACCCCTAACAGTGGTGAACAGGCTATGCAACAAGTTC	1183		
Qy	253	AAGAGTCAAGTCAACCATTTCAACAGACACGTCCAAAGAACCAAGTTCTCCCTCAAGCTGAAC	312		
Db	1182	CAGGCGAGAGTCACCATGATCACCAGGAACCTCCATAAGAACAGCTACATGGAGCTGAGT	1123		
Qy	313	TCATAGACCGCCGGACACGGCGGTGTATTACTGTGTGAGAGATCGTCTTTTTTCAG--	370		
Db	1122	GGCTCGAGATCTGAGGACACGGCCGCTGATTTCTCTGGAGAAATAGCCGATAACGTAGAG	1063		
Qy	371	-TTGTTGGAAATGGTTTCAACAACCTGGTTCCGATGCTCGGGGCCGGGAGTCTCGTGTCAAC	429		
Db	1062	ATGGCTGCAATTTACCACCTACTACGGTATGGAGCTCTGGGCCAAGGGACACCGTCAAC	1003		
Qy	430	GTCTCTCAGCTAGACCAAGGGCCCATCGGTCTTCCCCCTGGCAACCTCTCTCCAGAGC	489		
Db	1002	GTCTCTCAGCCTCCACCAAGGGCCCATCGGTCTTCCCCCTGGCAACCTCTCTCCAGAGC	943		
Qy	490	ACCTCTGGGGGACACGGGCCCTGGGCTSCCTGTCGAAGGACTACTTCCCGGAACCGGTG	549		

```
Db 942 ACCTCTGGGGGCACAGCGGCTTGGCTGCTGTGTCAAGGACTACTTCCCCGAACCGGTG 883
Qy 550 ACGGTGTCTGGGAACCTCAGGCGCCTTGACACGCGCGTGCACACCTTCCCGCTGTCTTA 609
Db 882 ACGGTGTCTGGGAACCTCAGGCGCCTTGACACGCGCGTGCACACCTTCCCGCTGTCTTA 823
Qy 610 CAGTCTCAGGACTCTACTCTCCCTCAGCAGCGTGTGTGACCGTGCCTCCAGCAGCTTGGGC 669
Db 822 CAGTCTCAGGACTCTACTCTCCCTCAGCAGCGTGTGTGACCGTGCCTCCAGCAGCTTGGGC 763
Qy 670 ACCAGACCTACATCTCGAAGTGAATCACAAGCCCGACACCAAGGTGACAAGAAA 729
Db 762 ACCAGACCTACATCTCGAAGTGAATCACAAGCCCGACACCAAGGTGACAAGAAA 703
Qy 730 GCAGAGCCCAAAATCTTGTGCAAAACTCACACATGCCCGTGCCTCCAGCAGCCTGAACTC 789
Db 702 GTTGAGCCCAAAATCTTGTGCAAAACTCACACATGCCCGTGCCTCCAGCAGCCTGAACTC 643
Qy 790 CTGGGGGACCGTCAGTCTTCTCTTCCCGCCAAAACCCAAAGACACCCCTCATGATCTCC 849
Db 642 CTGGGGGACCGTCAGTCTTCTCTTCCCGCCAAAACCCAAAGACACCCCTCATGATCTCC 583
Qy 850 CGACCCCTCAGGTACATCGGTGTGAGTGCATTAATGCAAGACAAAGCCCGGAGGAG 969
Db 582 CGACCCCTCAGGTACATCGGTGTGAGTGCATTAATGCAAGACAAAGCCCGGAGGAG 463
Qy 910 TTCAACTGTGTCAGTGAACCGGTGTGAGTGCATTAATGCAAGACAAAGCCCGGAGGAG 1029
Db 522 TTCAACTGTGTCAGTGAACCGGTGTGAGTGCATTAATGCAAGACAAAGCCCGGAGGAG 403
Qy 970 CAGTACAACGACGTCATCGGTGTGAGTGCATTAATGCAAGACAAAGCCCGGAGGAG 1089
Db 462 CAGTACAACGACGTCATCGGTGTGAGTGCATTAATGCAAGACAAAGCCCGGAGGAG 343
Qy 1030 AATGGAAGGAGTACAGTGCAGGTCCTCAACAAAGCCCTCCAGCAGCCCGGAGGAG 1149
Db 402 AATGGAAGGAGTACAGTGCAGGTCCTCAACAAAGCCCTCCAGCAGCCCGGAGGAG 283
Qy 1090 ACCATCTCAAAAGCCAAAGGCGACCCGAGAACACACAGGTGTACACCTTCCCGGAGGAG 1209
Db 342 ACCATCTCAAAAGCCAAAGGCGACCCGAGAACACACAGGTGTACACCTTCCCGGAGGAG 223
Qy 1150 CGGGATGAGTGCAGGTCACCAAGAACAGGTGAGTGCATTAATGCAAGACAAAGCCCGGAGGAG 1269
Db 282 CGGGATGAGTGCAGGTCACCAAGAACAGGTGAGTGCATTAATGCAAGACAAAGCCCGGAGGAG 163
Qy 1210 AGCGACATCGCGTGGAGTGGAGAGCAATGGGCGAGCGGAGAACACTACAGACCAAG 1329
Db 222 AGCGACATCGCGTGGAGTGGAGAGCAATGGGCGAGCGGAGAACACTACAGACCAAG 103
Qy 1270 CTTCCCGTGTGGACTCCGACGCGCTCTTCTTCTTCTACAGCAAGTTCACCGTGGACAAG 1389
Db 162 CTTCCCGTGTGGACTCCGACGCGCTCTTCTTCTTCTACAGCAAGTTCACCGTGGACAAG 43
Qy 1330 AGCAGGTGCGACAGGGGAAAGTCTTCTCATGCTCCGTGATGATGAGGTCTTGCACAAC 1431
Db 102 AGCAGGTGCGACAGGGGAAAGTCTTCTCATGCTCCGTGATGATGAGGTCTTGCACAAC 1
Qy 1390 CACTACACGCAAGAGCTCTCCCTGTCTCCGGGTAAATGA 1431
Db 42 CACTACACGCAAGAGCTCTCCCTGTCTCCGGGTAAATGA 1
```

## RESULT 15

```
US-10-124-905-7
; Sequence 7, Application US/10124905
; Patent No. US20020166136A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
; AND USE THEREOF AS PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
```

```
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/124,905
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1437 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1437
; NAME/KEY: mat_peptide
; LOCATION: 1..1437
; US-10-124-905-7
```

```
Query Match 77.7%; Score 1112.4; DB 9; Length 1437;
Best Local Similarity 87.9%; Pred. No. 2.2e-294;
Matches 1251; Conservative 0; Mismatches 161; Indels 12; Gaps 3;
```

```
Qy 17 TCTTCTCTCTCTCTGTGGCAGCTCCAGATGGTCTCTGCCAGGTGCAGCTGCAGGAGT 76
Db 17 TCTTGTCTTCTCTTGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 76
Qy 77 CGGCGCCAGGACTGGTGAAGCCTTTGGGAGACCTGTCCCTCACCTGCGCTGTCTCTGGTG 136
Db 77 CTGGGGGAGGCTTGGTCCAGCCTGGCGGTCCCTGAGAGTCTCTGTGAGTCTCTGGAT 136
Qy 137 GCTCCATCAGGGGTGTATGCTGGGCTGGATCCGCCAGCCCCCAGGGAAGGGGCTGG 196
Db 137 TCACCTTCA---GTGACCACTACATGTATTGTGTTCCGCCAGGCTCCAGGGAAGGGGCGG 193
Qy 197 AGTGGATTGG-----GAGTTTCTATAGTAGTGTGGGAACACCTACTACACCCCTCCC 250
Db 194 AATGGGTAGGTTTCATTAGAAAACAAACCGAAGGTGGGACAAACAGAAATACGGCGGTCTG 253
Qy 251 TCAAGAGTCAAGTCACCATTTTCAACAGACACGTCCAAGAACCCAGTTTCTCCCTGAAGCTGA 310
Db 254 TGAAGACAGATTCCACCATCTCCAGAGATGATTCCAAAAGCATCGCCTATCTGCAATGA 313
Qy 311 ACTCTATGACCGCGCGGACACGCGCGGTGTATTACTGTGTGAGAGATCGTCTTT---TTT 367
Db 314 GCAGCCTGAAATTCGAGACACGCGCGGTCTATTACTGTACTACATCCTACATTTACATTT 373
```

Search completed: April 6, 2003, 12:53:18  
Job time : 148.88 secs

```
QY 368 CAGTTGTTGGAAATGTTTACAACTAGTTCGTGGGCGCGGAGTCTTGTTCA 427
Db 374 GTCGGGGTGGTGTCTGCTATGAGGTTACTTCGAATCTTGGGGCCAGGGCGCCTGTTCA 433
QY 428 CCGTCTCTCAGCTAGCAACCAAGGGCCCATCGGTCTTCCCGCTGGCACCTCTCTCAAGA 487
Db 434 CCGTCTCTCAGCTAGCAACCAAGGGCCCATCGGTCTTCCCGCTGGCACCTCTCTCAAGA 493
QY 488 GCACCTCTGGGGGACACAGGGCCCTGGGCTGCTGGTCAAGGACTACTTCCCGGAACCGG 547
Db 494 GCACCTCTGGGGGACACAGGGCCCTGGGCTGCTGGTCAAGGACTACTTCCCGGAACCGG 553
QY 548 TGACGGTCTCGTGAACCTCAGCGGCCCTCACAGCGGCGTGCACACCTTCCCGGCTGTCC 607
Db 554 TGACGGTCTCGTGAACCTCAGCGGCCCTCACAGCGGCGTGCACACCTTCCCGGCTGTCC 613
QY 608 TACAGTCTCTCAGGACTCTACTCCCTCAGCAGGTGGTGACCGTGCCTCCAGCAGTTGG 667
Db 614 TACAGTCTCTCAGGACTCTACTCCCTCAGCAGGTGGTGACCGTGCCTCCAGCAGTTGG 673
QY 668 GCACCCAGACCTACATCTGCAAGTGAATCAAGCCCAAGCAACACCAAGGTGGACAAGA 727
Db 674 GCACCCAGACCTACATCTGCAAGTGAATCAAGCCCAAGCAACACCAAGGTGGACAAGA 733
QY 728 AAGCAGAGCCCAATCTTGTGCAAACTCACACATGCCACCGTGCACAGCACCTGAAC 787
Db 734 AAGCAGAGCCCAATCTTGTGCAAACTCACACATGCCACCGTGCACAGCACCTGAAC 793
QY 788 TCCTGGGGGACCGTCACTCTTCTTCCCGCAAAACCCCAAGGACACCTCATGATCT 847
Db 794 TCCTGGGGGACCGTCACTCTTCTTCCCGCAAAACCCCAAGGACACCTCATGATCT 853
QY 848 CCGGACCCCTGAGGTACATGCTGGTGGTGAGCTGAGCCAGCAAGACCTTGAGTCA 907
Db 854 CCGGACCCCTGAGGTACATGCTGGTGGTGAGCTGAGCCAGCAAGACCTTGAGTCA 913
QY 908 AGTTCAACTGGTACGTGGAGCGGTGGAGTGATATGCAAGACAAAGCCCGGGAGG 967
Db 914 AGTTCAACTGGTACGTGGAGCGGTGGAGTGATATGCAAGACAAAGCCCGGGAGG 973
QY 968 AGCAGTACAAACAGCAGTACCGTGTGGTCAAGCTCTCAACCGTCTGCACAGGACTGGC 1027
Db 974 AGCAGTACAAACAGCAGTACCGTGTGGTCAAGCTCTCAACCGTCTGCACAGGACTGGC 1033
QY 1028 TGAATGGCAAGGATCAAGTGAAGTCTCAACAGCCCTCCAGCGCCCATCGAGA 1087
Db 1034 TGAATGGCAAGGATCAAGTGAAGTCTCAACAGCCCTCCAGCGCCCATCGAGA 1093
QY 1088 AAACCATCTCCAAGCCAAAGGCGAGCCCGAGAACACACAGGTGTACACCTGCCCCCAT 1147
Db 1094 AAACCATCTCCAAGCCAAAGGCGAGCCCGAGAACACACAGGTGTACACCTGCCCCCAT 1153
QY 1148 CCGGGATGAGCTGACCAAGAACAGGTACAGCTGAGCTGCTGGTCAAGGGCTTCTATC 1207
Db 1154 CCGGGATGAGCTGACCAAGAACAGGTACAGCTGAGCTGCTGGTCAAGGGCTTCTATC 1213
QY 1208 CCAGCCACATCGCGGTGGAGTGGAGAGCAATGGGAGCGGAGAACAACTACAAGACCA 1267
Db 1214 CCAGCCACATCGCGGTGGAGTGGAGAGCAATGGGAGCGGAGAACAACTACAAGACCA 1273
QY 1268 CGCCTCCCGTGTGGACTCCGACGGCTCTTCTTCTCTACAGCAAGCTCACCGTGGACA 1327
Db 1274 CGCCTCCCGTGTGGACTCCGACGGCTCTTCTTCTCTACAGCAAGCTCACCGTGGACA 1333
QY 1328 AGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCGGTGATGATGAGGCTCTGCACA 1387
Db 1334 AGAGCAGGTGGCAGCAGGGGAACGTCTTCTCATGCTCGGTGATGATGAGGCTCTGCACA 1393
QY 1388 ACCACTACACGCAAGAGAGGCTCTCCCTGTCTCCGGGTAAATGA 1431
Db 1394 ACCACTACACGCAAGAGAGGCTCTCCCTGTCTCCGGGTAAATGA 1437
```



GenCore version 5.1.3  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 6, 2003, 01:56:24 ; Search time 72.4811 Seconds  
(without alignments)  
8604.535 Million cell updates/sec

Title: US-09-758-173-9  
Perfect score: 711  
Sequence: 1 ATGAGGTCCCGCTCAGCT.....CCCTACAGAAATGTCATGA 711

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 593429 seqs, 438583890 residues

Total number of hits satisfying chosen parameters: 1186858

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA:  
1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:  
2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:  
5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:  
6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:  
8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:  
9: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:  
10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:  
11: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:  
12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:  
13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:  
14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	711	100.0	711	9	US-10-124-905-9
2	711	100.0	711	9	US-09-948-429B-9
3	711	100.0	711	9	US-10-073-138-5
4	552.6	77.7	768	10	US-09-747-669-4
5	552.6	77.7	768	10	US-09-747-669-5
6	540.2	76.0	705	9	US-10-124-905-1
7	540.2	76.0	705	9	US-09-948-429B-1
8	534.8	75.2	2112	9	US-10-073-138-1
9	532.2	74.9	915	10	US-09-954-456-788
10	532.2	74.9	915	10	US-09-880-107-3743
11	484.2	68.1	885	9	US-09-852-797-47
12	484.2	68.1	885	10	US-09-853-161-47
13	482.6	67.9	879	9	US-09-852-659A-47
14	482.6	67.9	879	9	US-09-852-797-29
15	482.6	67.9	879	10	US-09-853-161-29
16	482.6	67.9	879	10	US-09-852-659A-29
17	457.6	64.4	960	10	US-09-925-301-582
18	456	64.1	868	10	US-09-822-849A-157
19					

C	20	449.8	63.3	1480	9	US-09-981-353-146	Sequence 146, App
	21	440.2	61.9	857	10	US-09-822-849A-158	Sequence 158, App
	22	429.4	60.4	846	9	US-09-981-353-55	Sequence 55, Appl
	23	422.8	59.5	938	9	US-09-828-995B-25	Sequence 25, Appl
C	24	422.8	59.5	938	9	US-09-828-995B-27	Sequence 27, Appl
	25	422.4	59.4	830	9	US-09-981-353-42	Sequence 42, Appl
C	26	412	57.9	928	10	US-09-852-797-46	Sequence 46, Appl
	27	412	57.9	928	10	US-09-853-161-46	Sequence 46, Appl
C	28	412	57.9	928	10	US-09-852-659A-46	Sequence 46, Appl
	29	408	57.4	826	9	US-10-098-841-316	Sequence 316, App
C	30	405.8	57.1	543	9	US-09-736-457-970	Sequence 970, App
C	31	405.8	57.1	543	9	US-09-902-941-970	Sequence 970, App
C	32	405.8	57.1	543	9	US-09-849-626-970	Sequence 970, App
C	33	405.8	57.1	543	9	US-10-017-754-970	Sequence 970, App
C	34	397.8	55.9	648	10	US-09-736-371B-18	Sequence 18, Appl
	35	396.6	55.8	5079	10	US-09-809-517A-41	Sequence 41, Appl
	36	394.2	55.4	1480	9	US-09-981-353-146	Sequence 146, App
	37	372.2	52.3	4145	9	US-10-001-934-36	Sequence 36, Appl
	38	372.2	52.3	5020	9	US-10-001-934-35	Sequence 35, Appl
	39	367.6	51.7	869	9	US-09-909-567B-13	Sequence 13, Appl
C	40	363.4	51.1	491	9	US-09-736-457-833	Sequence 833, App
C	41	363.4	51.1	491	9	US-09-902-941-833	Sequence 833, App
C	42	363.4	51.1	491	9	US-09-849-626-833	Sequence 833, App
C	43	363.4	51.1	491	9	US-10-017-754-833	Sequence 833, App
	44	359	50.5	764	9	US-09-981-353-46	Sequence 46, Appl
C	45	346.2	48.7	467	9	US-09-796-692-3064	Sequence 3064, Ap

ALIGNMENTS

RESULT 1  
US-10-124-905-9  
; Sequence 9, Application US/10124905  
; Patent No. US20020166136A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, Darrell R.  
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF, AND USE THEREOF AS  
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS  
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS  
; STREET: 699 Prince Street  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22314  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10124,905  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/383,916  
; FILING DATE:  
; APPLICATION NUMBER: US 08/487,550  
; FILING DATE: 07-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Teskin, Robin L.  
; REGISTRATION NUMBER: 35,030  
; REFERENCE/DOCKET NUMBER: 012712-131  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-836-6620  
; TELEFAX: 703-836-2021  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 711 base pairs

```

; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..711
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..711
;
US-10-124-905-9
Query Match 100.0%; Score 711; DB 9; Length 711;
Best Local Similarity 100.0%; Pred. No. 6.3e-213;
Matches 711; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAGGGTCCCGCTCAGCTCCTGGGGCTCTGCTGCTGGCTCCCGAGGTGCAGATGT 60
DB 1 ATGAGGGTCCCGCTCAGCTCCTGGGGCTCTGCTGCTGGCTCCCGAGGTGCAGATGT 60

QY 61 GAGTCTGTCTGACACAGCGCCCTCAGTGTCTGGGGCCCGAGGCGAAGGTCAACATC 120
DB 61 GAGTCTGTCTGACACAGCGCCCTCAGTGTCTGGGGCCCGAGGCGAAGGTCAACATC 120

QY 121 TCGTGCACTGGGAGCACCTCCAACTTGGAGGTTATGATCTACATTTGGTACCAGAGCTC 180
DB 121 TCGTGCACTGGGAGCACCTCCAACTTGGAGGTTATGATCTACATTTGGTACCAGAGCTC 180

QY 181 CAGGAACGGCCCCAAAATCTCTCATATGACATTAACAGGACCCCTCAGGAATTTCT 240
DB 181 CAGGAACGGCCCCAAAATCTCTCATATGACATTAACAGGACCCCTCAGGAATTTCT 240

QY 241 GACCGATTCTCTGGCTCCAACTTGGTACCGCGCCCTCCCTGGGCCATCACTGGGCTCCAG 300
DB 241 GACCGATTCTCTGGCTCCAACTTGGTACCGCGCCCTCCCTGGGCCATCACTGGGCTCCAG 300

QY 301 ACTGAGGATGAGGCTGATTATTAATGTCAGTCTTATGACAGCAGCCTGAATGCTCAGGTA 360
DB 301 ACTGAGGATGAGGCTGATTATTAATGTCAGTCTTATGACAGCAGCCTGAATGCTCAGGTA 360

QY 361 TTCGGAGGAGGACCGGGCTGACCGTCTAGGTGACCCCAAGGCTGCCCTCGGTCACT 420
DB 361 TTCGGAGGAGGACCGGGCTGACCGTCTAGGTGACCCCAAGGCTGCCCTCGGTCACT 420

QY 421 CTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCCAAAGGCGCACACTGGTGTCTCAT 480
DB 421 CTGTTCCCGCCCTCTCTGAGGAGCTTCAAGCCAAAGGCGCACACTGGTGTCTCAT 480

QY 481 AGTGACTTCTACCGGGAGCGGTGACAGTGGCTTGAAGGAGGATAGCAGCCCCGTCAAG 540
DB 481 AGTGACTTCTACCGGGAGCGGTGACAGTGGCTTGAAGGAGGATAGCAGCCCCGTCAAG 540

QY 541 GCGGGAGTGAGACACACACCTCCAAACAAAGACAAACAAAGTACGCGGCCAGCAGC 600
DB 541 GCGGGAGTGAGACACACACCTCCAAACAAAGACAAACAAAGTACGCGGCCAGCAGC 600

QY 601 TACCTGAGCTGAGCGCTGAGCAGTGAAGTCCACAGAAGCTACAGTGCAGGTTCAGC 660
DB 601 TACCTGAGCTGAGCGCTGAGCAGTGAAGTCCACAGAAGCTACAGTGCAGGTTCAGC 660

QY 661 CATGAAGGGAGCACCGTGGAGAACAGCAGTGGCCCCCTACAGAAATGTTATGA 711
DB 661 CATGAAGGGAGCACCGTGGAGAACAGCAGTGGCCCCCTACAGAAATGTTATGA 711

RESULT 2
US-09-948-429B-9
; Sequence 9, Application US/09948429B
; Patent No. US20020177689A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,"
```

```

; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/948,429B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 711 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..711
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 1..711
;
US-09-948-429B-9
Query Match 100.0%; Score 711; DB 9; Length 711;
Best Local Similarity 100.0%; Pred. No. 6.3e-213;
Matches 711; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAGGGTCCCGCTCAGCTCCTGGGGCTCTGCTGCTCTGCTCCCGAGGTGCAGATGT 60
DB 1 ATGAGGGTCCCGCTCAGCTCCTGGGGCTCTGCTGCTCTGCTCCCGAGGTGCAGATGT 60

QY 61 GAGTCTGTCTGACACAGCGCCCTCAGTGTCTGGGGCCCGAGGCGAAGGTCAACATC 120
DB 61 GAGTCTGTCTGACACAGCGCCCTCAGTGTCTGGGGCCCGAGGCGAAGGTCAACATC 120

QY 121 TCGTGCACTGGGAGCACCTCCAACTTGGAGGTTATGATCTACATTTGGTACCAGAGCTC 180
DB 121 TCGTGCACTGGGAGCACCTCCAACTTGGAGGTTATGATCTACATTTGGTACCAGAGCTC 180

QY 181 CCAGGAACGGCCCCAAAATCTCTCATATGACATTAACAGGACCCCTCAGGAATTTCT 240
DB 181 CCAGGAACGGCCCCAAAATCTCTCATATGACATTAACAGGACCCCTCAGGAATTTCT 240

QY 241 GACCGATTCTCTGGCTCCAACTTGGTACCGCGCCCTCCCTGGGCCATCACTGGGCTCCAG 300
DB 241 GACCGATTCTCTGGCTCCAACTTGGTACCGCGCCCTCCCTGGGCCATCACTGGGCTCCAG 300

QY 301 ACTGAGGATGAGGCTGATTATTAATGTCAGTCTTATGACAGCAGCCTGAATGCTCAGGTA 360
DB 301 ACTGAGGATGAGGCTGATTATTAATGTCAGTCTTATGACAGCAGCCTGAATGCTCAGGTA 360
```



